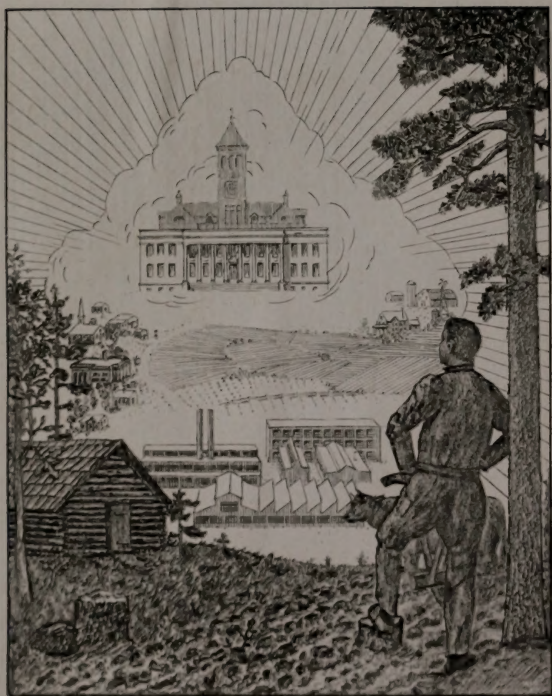
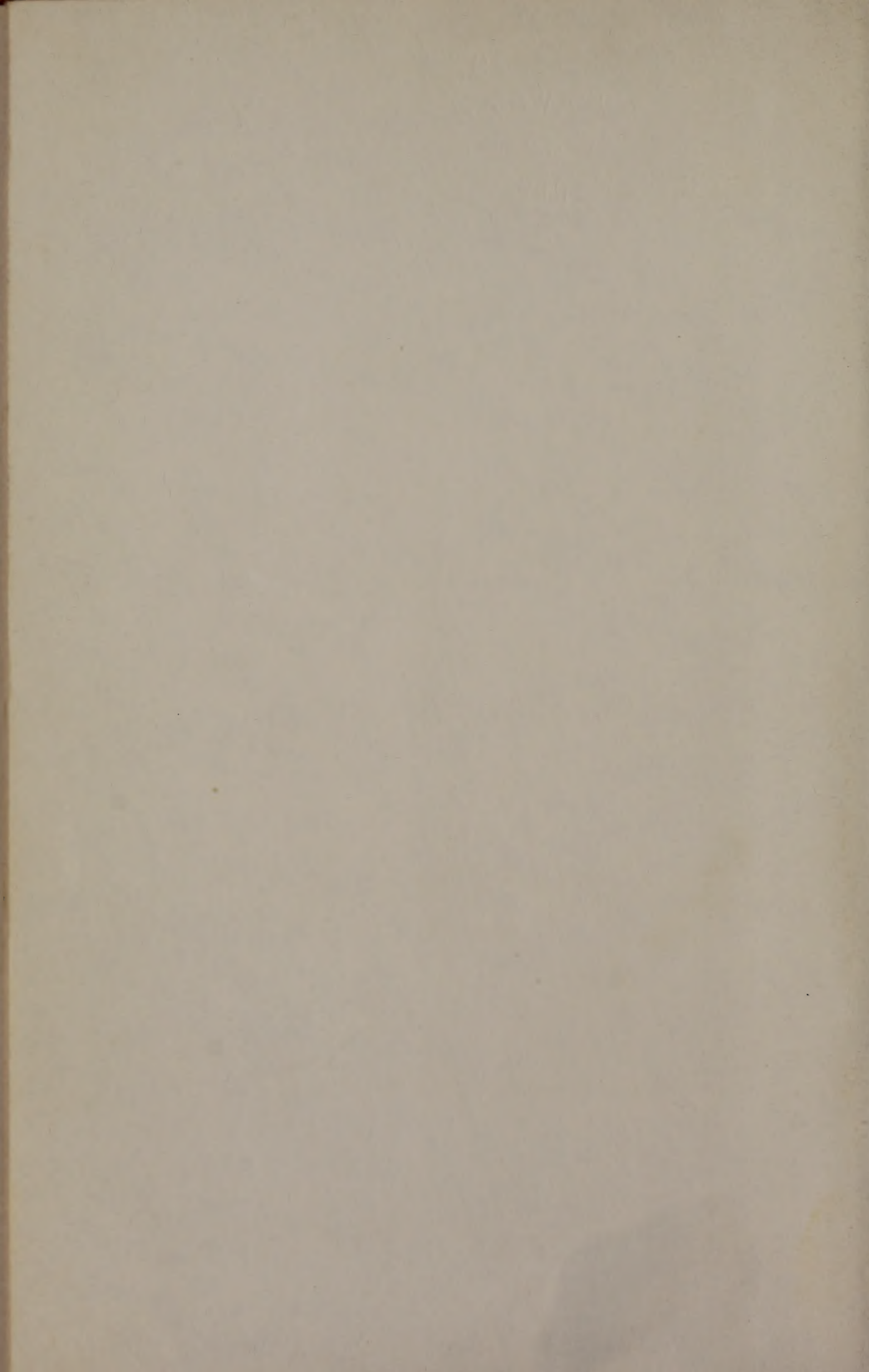




CLEMSON COLLEGE LIBRARY







New Series, Vol. XXV, April, 1950

No. 1

THE CLEMSON AGRICULTURAL COLLEGE

RECORD FIFTY-SEVENTH YEAR

CATALOG NUMBER 1949-1950

Preliminary Announcements 1950-1951

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COLLEGE CALENDAR

SUMMER TERM 1949

Matriculation and Registration	June 17
Classes begin	June 20
Independence Day holiday	July 4
Examinations	August 16-18
Summer Term ends	August 18

SESSION 1949-1950

Matriculation, new students	September 5
Registration, new students	September 7
Matriculation and Registration, former students	September 8, 9
Classes begin	September 12
State Fair holidays begin at 1 p.m.	October 19
State Fair holidays end at 10 p.m.	October 23
Thanksgiving holidays begin at 1 p.m.	November 23
Thanksgiving holidays end at 10 p.m.	November 27
Christmas holidays begin at 1 p.m.	December 21
Christmas holidays end at 10 p.m.	January 3
End of First Semester	January 28
Mid-Year Graduating Exercises	January 29
Matriculation, new students	January 30
Registration, new students	February 1
Matriculation and Registration, former students	February 2, 3
Classes begin	February 6
Easter holidays begin at 1 p.m.	April 6
Easter holidays end at 10 p.m.	April 10
Commencement	June 4

SUMMER TERM 1950

Matriculation and Registration	June 12
Classes begin	June 13
Independence Day holidays	July 3, 4
Examinations	August 9-11
Graduating Exercises at 11 a.m.	August 12

SESSION 1950-1951

Matriculation, new students	September 4
Registration, new students	September 6
Matriculation and Registration, former students	September 7, 8
Classes begin	September 11
State Fair holidays begin at 1 p.m.	October 18
State Fair holidays end at 10 p.m.	October 22
Thanksgiving holidays begin at 1 p.m.	November 22
Thanksgiving holidays end at 10 p.m.	November 26
Christmas holidays begin at 1 p.m.	December 20
Christmas holidays end at 10 p.m.	January 2
End of First Semester	January 27
Mid-Year Graduating Exercises	January 28
Matriculation, new students	January 29
Registration, new students	January 31
Matriculation and Registration, former students	February 1, 2
Classes begin	February 5
Easter holidays begin at 1 p.m.	March 22
Easter holidays end at 10 p.m.	March 26
Commencement	June 3

The above schedule is subject to change by the Faculty.

1950

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**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART I

Personnel

PART I—PERSONNEL

BOARD OF TRUSTEES

LIFE MEMBERS

CHRISTIE BENET, <i>Chairman</i>	Columbia, Richland County
PAUL SANDERS	Ritter, Colleton County
T. B. YOUNG	Florence, Florence County
R. M. COOPER	Wisacky, Lee County
J. F. BYRNES	Spartanburg, Spartanburg County
EDGAR A. BROWN	Barnwell, Barnwell County
CHARLES E. DANIEL	Greenville, Greenville County

TERM EXPIRES 1952

F. E. COPE	Cope, Orangeburg County
T. W. THORNHILL	Charleston, Charleston County
J. B. DOUTHIT, JR.	Pendleton, Anderson County

TERM EXPIRES 1954

BEN T. LEPPARD	Greenville, Greenville County
J. F. McLAURIN	Bennettsville, Marlboro County
W. A. BARNETTE	Greenwood, Greenwood County

A. J. BROWN, <i>Secretary</i>	Clemson, S. C.
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STANDING COMMITTEES OF BOARD

AGRICULTURAL: Douthit, *Chairman*; Young, Cooper, Sanders, Cope, Barnette, McLaurin.

(This committee is also the Veterinary Committee, the Crop Pest Commission, and the Experiment Station Board of Control.)

EXECUTIVE: Cooper, *Chairman*; Young, Byrnes, Daniel, Thornhill, Leppard.

FERTILIZER: Cope, *Chairman*; Barnette, Sanders, Douthit, McLaurin.

FINANCE: Brown, *Chairman*; Cooper, Douthit, Thornhill, McLaurin.

STATED MEETINGS OF BOARD

3:00 P.M.—Third Friday in March

3:00 P.M.—Third Friday in June

3:00 P.M.—Fourth Monday in October

BOARD OF VISITORS

1949

Hugo S. Sims, Sr.	Orangeburg
(Hold-over member)	
R. D. Anderson	Columbia
W. Marshall Bennett	Walterboro
W. B. Camp	Bakersfield, California
A. E. Creamer	Florence
Arthur Maxwell Field	Charleston
C. P. Guess, Jr.	Denmark
Dewey H. Johnson	Greenwood
Hugh C. Lane	Charleston
Sam Latimer	Columbia
Raymond Pender	Williston
W. B. Wilkerson, Jr.	York

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President

J. B. Caughman, '26 ----- Columbia, S. C.

First Vice-President

M. D. Berry, '13 ----- Atlanta, Ga.

Second Vice-President

John LeRoy Nichols, '23 ----- Sumter, S. C.

Secretary-Treasurer

J. H. Woodward, Ex. '03 ----- Clemson, S. C.

Assistant Treasurer

A. J. Brown, '12 ----- Clemson, S. C.

Board of Directors

District 1—E. H. Agnew, '16 ----- Anderson, S. C.

District 2—Hamish Turner, '29 ----- Spartanburg, S. C.

District 3—W. K. Magill, '15 ----- Chester, S. C.

District 4—W. E. Hallman, '41 ----- Aiken, S. C.

District 5—N. E. Byrd, '10 ----- Branchville, S. C.

District 6—George Warren, '08 ----- Hampton, S. C.

District 7—W. L. Schacte, '34 ----- Charleston, S. C.

District 8—K. B. Hodges, Ex. '19 ----- Bennettsville, S. C.

District 9—R. H. Fike, '08 ----- Atlanta, Ga.

District 10—Ralph B. Stewart, '15 ----- Washington, D. C.

District 11—W. M. Ballenger, '23 ----- Chicago, Illinois

District 12—W. B. Camp, '16 ----- Bakersfield, Calif.

Directors at Large

S. C. McMeekin, '23 ----- Columbia, S. C.

Cecil L. Reid, '02 ----- Fredericksburg, Va.

J. M. Dunlap, '23 ----- Cleveland, Tenn.

OFFICERS OF ADMINISTRATION

ROBERT FRANKLIN POOLE, Ph.D., D.Sc., LL.D.

President

FORREST EUGENE COOKSON, COLONEL, INFANTRY

U. S. ARMY

Commandant and Professor of Military Science and Tactics

ANDREW JOSEPH BROWN, B.S.

Treasurer and Secretary of Board of Trustees

SAMUEL WILDS EVANS

Treasurer Emeritus and Secretary Emeritus of Board of Trustees

JAMES CORCORAN LITTLEJOHN, B.S.

Business Manager

LEE W. MILFORD, M.D.

Surgeon

GUSTAVE ERNEST METZ, B.S., M.A.

Registrar

HERBERT PRESS COOPER, Ph.D.

Dean, School of Agriculture and

Director, Agricultural Experiment Station

RUPERT ALONZO MCGINTY, B.S., A.M.

Vice-Director, Agricultural Experiment Station

FRANCIS MARION KINARD, A.B., A.M., Litt.D.

Dean, School of Arts and Sciences

DAVID WISTAR DANIEL, A.M., Litt.D.

Dean Emeritus, School of Arts and Sciences

HOWARD LOUIS HUNTER, Ph.D.

Dean, School of Chemistry

FRED HARVEY HALL CALHOUN, Ph.D.

Dean Emeritus, School of Chemistry

WILLIAM HAROLD WASHINGTON, B.S., M.S.

Dean, School of Education

SAMUEL BROADUS EARLE, A.M., M.E., LL.D.

Dean, School of Engineering

Director, Engineering Experiment Station

JAMES HAGOOD SAMS, JR., Ph.D.

Vice-Dean, School of Engineering

HOWARD EMMITT GLENN, B.S. in C.E.

Vice-Director, Engineering Experiment Station

HUGH MONROE BROWN, Ph.D.

Dean, School of Textiles

BRUCE DAYVAULT CLOANINGER, B.S., M.S.

Secretary, Board of Fertilizer Control

••ROY AIKEN MAYS, B.Sc., D.V.M.

Director of Livestock Sanitary Work, State Veterinarian

DAVID WAYNE WATKINS, B.S., M.A.

Director of Extension Service

CORNELIA AYER GRAHAM, B.S.

Librarian

••Office: John C. Calhoun State Office Building, Columbia, S. C.

FACULTY †

ROBERT FRANKLIN POOLE

President

Ph.D., Rutgers University; D.Sc., Clemson Agricultural College; LL.D.,
University of South Carolina

- °ADAMS, LEONARD CALDWELL, *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1943; Graduate Work, Oklahoma
A & M College, 1949-1950.
- ALLEN, WILLIAM OSBORNE, *Instructor in Knitting.*
B.S., North Carolina State College, 1949.
- ANDERSON, PETER MCINTOSH, *Assistant Professor of Military Science and
Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College,
1935; Graduate: Company Officers Basic Course, The Infantry School, 1943.
- ARMSTRONG, GEORGE MILLER, *Head of Botany and Bacteriology Department;
Professor of Botany and Bacteriology.*
B.S., Clemson Agricultural College, 1914; M.A., University of Wisconsin,
1917; Ph. D., Washington University, 1921.
- ARMSTRONG, PERCY LAMAR, *Assistant Professor of Mathematics.*
A.B., 1919; M.A., 1920, Southwestern University.
- AULL, GEORGE HUBERT, *Head of Agricultural Economics and Rural Sociology
Department; Professor of Agricultural Economics.*
B.S., Clemson Agricultural College, 1919; M.S., University of Virginia,
1923; Ph.D., University of Wisconsin, 1937.
- BANISTER, ROBERT ALLEN, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1939; M.S., Bradley University, 1949.
- BAUKNIGHT, LEHMAN M., JR., *Assistant Professor of Agricultural Economics.*
B.S., 1935; M.S., 1949, Clemson Agricultural College.
- BEAVEN, WILLIAM MORRIS, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.A., St. Mary's University, 1941; Graduate:
Primary, Basic, Advanced Flying Schools, 1941-1942; Instrument Fly-
ing School, 1949.
- BECKER, CARL LEWIS, *Assistant Professor of Electrical Engineering.*
B.S., Brown University, 1945; M.S., Carnegie Institute of Technology, 1947.
- BELL, MARSHALL CORNETT, *Associate Professor of Mathematics.*
A.B., 1933, M.A., 1936, University of North Carolina.
- BERNE-ALLEN, ALLAN, *Head of Chemical Engineering Department; Professor
of Chemical Engineering.*
B.S.E., University of Michigan, 1924; Ch.E., Columbia University, 1933;
Ph.D., Columbia University, 1936.
- BERRY, ERNEST B., *Instructor in Weaving and Designing.*
University of Pennsylvania, 1933-1935; Philadelphia Textile Institute, 1935-
1941.
- BEYER, FRANZ WILLIAM, *Assistant Professor of Electrical Engineering.*
B.A., Ohio State University, 1936; B.E.E., Ohio State University, 1939;
Graduate Work, Clemson Agricultural College, 1949.
- BICKELHAUPT, ROY EDWARD, *Instructor in Ceramic Engineering.*
B.S. in Cer. E., University of Illinois, 1950.
- BIGGS, GILBERT WARREN, *Assistant Professor of Economics.*
B.S., 1946, M.S., 1947, Virginia Polytechnic Institute; Graduate Work,
University of Virginia, 1947-1948.

†Faculty list compiled February 15, 1950.

*On leave.

- BLAIR, WILLIAM GARDINER**, *Assistant Professor of Carding and Spinning.*
New Bedford Textile School, 1908; Clemson Agricultural College, Summer, 1927.
- BOLEN, CLAUDE WALDRON**, *Associate Professor of History and Government.*
A.B., Emory and Henry College, 1931; M.A., 1935, Ph.D., 1941, Duke University.
- BOOKER, LEONARD ROWLAND**, *Itinerant Teacher-Trainer Industrial Education.*
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1932; Graduate Work, Clemson Agricultural College, Summers 1938, 1939.
- BOOKER, MELZAR PEGRAM**, *Instructor in Architecture.*
B.S., Clemson Agricultural College, 1948.
- BOWEN, WILLIAM CLAYTON**, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1932; M.S., Colorado State College, 1940.
- BOYD, VIRLYN ALEXANDER**, *Assistant Professor of Rural Sociology.*
B.S.A., Berry College, 1941; M.S.A., University of Kentucky, 1948.
- BRADBURY, DOUGLAS WILSON**, *Assistant Professor of Drawing.*
B.M.E., Clemson Agricultural College, 1940; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.
- BRADLEY, MARK EDWARD**, *Head of English Department; Professor of English.*
A.B., Erskine College, 1898; Graduate Work, University of Chicago, Summers 1904, 1910; University of North Carolina, Summer, 1927.
- BRANNON, CARROLL CLEVELAND**, *Associate Professor of Dairying.*
B.S., Clemson Agricultural College, 1934; Graduate Work, Clemson Agricultural College, 1949.
- *BREWSTER, JAMES PENDLETON**, *Associate Professor of Mathematics.*
A.B., 1935, M.A., 1940, Duke University; Graduate Work, Duke University, 1949-1950.
- BROCK, DEWEY CLIFTON**, *Assistant Professor of Wood Shop.*
B.S., University of South Carolina, 1925; Graduate Work, Clemson Agricultural College, 1947-1948, 1948-1949, 1949.
- BROCK, JOHN LELAND**, *Head of Industrial Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1927; M.A., George Peabody College, 1936.
- BROWN, HUGH MONROE**, *Dean, School of Textiles.*
B.A., 1920, M.A., 1921, University of Denver; Ph.D., University of California, 1927.
- BROWN, JONAS WILLIAM**, *Assistant Professor of Mathematics.*
B.S., North Carolina State College, 1931; M.A., Duke University, 1948.
- BROWNLEY, FLOYD IRVING, JR.**, *Assistant Professor of Chemistry.*
B.S., Wofford College, 1939; M.S., Virginia Polytechnic Institute, 1941; Graduate Work, University of Florida, Summer, 1949.
- BRYAN, NOAH ROSENBERGER**, *Associate Professor of Mathematics.*
B.A., Pennsylvania State, 1913; A.M., University of Pennsylvania, 1918; Ph.D., Columbia University, 1921.
- BURTNER, FRANK A., JR.**, *Associate Professor of Sociology.*
B.A., M.A., University of Texas, 1939; Graduate Work, University of Texas, Summer, 1940; Harvard University, Summer, 1941; University of North Carolina, 1944; Yale University 1946-1947; University of North Carolina, 1947-1948.
- BYARS, EDWARD FORD**, *Instructor in Mechanics and Hydraulics.*
B.M.E., Clemson Agricultural College, 1946.
- BYNUM, WILLIAM LEWIS**, *Assistant Professor of Military Science and Tactics.*
Captain, Ordnance Department, United States Army; B.S., North Carolina State College, 1937; Graduate: Ordnance General Course, The Ordnance School, 1944.
- CALHOUN, FRED HARVEY HALL**, *Dean Emeritus, School of Chemistry and Geology; Professor Emeritus of Geology and Mineralogy.*
B.S., 1898, Ph.D., 1902, University of Chicago.

*On leave.

- CAMPBELL, THOMAS ALEXANDER, JR., *Associate Professor of Textiles.*
B.S., Clemson Agricultural College, 1928; M.Ed., Pennsylvania State College, 1947.
- *CARMICHAEL, MARSDEN BEVERLY, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1947; Graduate Work, Purdue University, 1949-1950.
- CARODEMOS, PETER, *Professor of Chemistry.*
B.S., Tufts College, 1922; Ph.D., Cornell University, 1927; Harvard University, Summer, 1932; Massachusetts Institute of Technology, Summers, 1941, 1949.
- *CARPENTER, CHARLES HAROLD, *Instructor in History and Government.*
A.B., Lenoir-Rhyne College, 1945; M.A., George Peabody College, 1946; Graduate Work, University of Chicago, 1948; University of North Carolina, 1948-1949, 1949-1950.
- CARSON, LEWIS ANDERSON, *Instructor in Weaving.*
B.S., Clemson Agricultural College, 1949.
- *CARSON, ROBERT GORDON, JR., *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1939; Graduate Work, Georgia Institute of Technology, 1949-1950.
- CARTEE, EUGENE FRANKLIN, *Associate Professor of Weaving and Designing.*
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1937; Graduate Work, Pennsylvania State College, Summer, 1941.
- CARTER, CLIFTON WALKER, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1933.
- CASKEY, CLAIRE OMAR, *Instructor in English.*
B.S., Appalachian State Teachers College, 1947; A.M., Duke University, 1948; Graduate Work, Duke University, Summer, 1949.
- *CLARK, GRADY WAYNE, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1944; Graduate Work, University of Virginia, 1947-1948, 1948-1949, 1949-1950.
- CLARKE, ELWYN LORENZO, *Head of Civil Engineering Department; Professor of Civil Engineering.*
B.S. in C.E., 1902, C.E., 1931, University of Illinois.
- COAKLEY, GEORGE EDWARD, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: The Infantry School, Basic Course, 1941; Iceland Base Command School, 1943.
- COHEN, HENRY RUSSELL, *Assistant Coach.*
B.S., Vanderbilt University, 1917.
- COKER, EDWARD CALEB, JR., *Associate Professor of Mathematics.*
B.S., University of South Carolina, 1928; M.A., University of North Carolina, 1930; Graduate Work, Brown University, 1932; University of Chicago, Summers 1936, 1938, 1939; University of Chicago, 1939-1940.
- COLLINGS, GILBEART HOOPER, *Professor of Soils.*
B.S., Virginia Polytechnic Institute, 1915; M.S., University of Illinois, 1917; Ph.D., Rutgers University, 1925.
- COOK, JAMES CLINTON, JR., *Assistant Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1939.
- COOK, JAMES RUSSELL, *Associate Professor of Animal Husbandry.*
B.S., Texas Agricultural and Industrial College, 1939; M.S., Iowa State College, 1943.
- COOKSON, FORREST EUGENE, *Professor of Military Science and Tactics, Commandant of Cadets.*
Colonel, Infantry, United States Army; B.S., United States Military Academy, 1918; Graduate: Infantry School, 1920; Command and General Staff School, 1936.

*On leave.

- COOPER, HERBERT PRESS, *Dean, School of Agriculture; Director, Agricultural Experiment Station; Head of Agronomy Department; Professor of Agronomy.*
B.S., Clemson Agricultural College, 1911; M.S., University of Wisconsin, 1916; Ph.D., Cornell University, 1922.
- COOPER, JAMES BRONAUGH, *Associate Poultry Husbandman.*
B.S., University of Kentucky, 1935; M.S., University of Kentucky, 1938.
- COUCH, JAMES HOUSTON, *Assistant Professor of Forge and Foundry.*
B.S., Clemson Agricultural College, 1941.
- COX, ALFRED CARY, *Assistant Coach.*
B.S., Clemson Agricultural College, 1949.
- *COX, H. MORRIS, *Associate Professor of English.*
A.B., 1937, M.A., 1939, Duke University; Graduate Work, University of Pennsylvania, 1948-1949, 1949-1950.
- COX, JAMES TRAMMELL, *Instructor in English.*
A.B., University of North Carolina, 1942; Graduate Work, University of North Carolina, 1945-1946.
- COX, WALTER THOMPSON, *Assistant Coach.*
B.S., Clemson Agricultural College, 1939.
- CRONIN, EUGENE STEPHENS, *Assistant Professor of Military Science and Tactics.*
Captain, Quartermaster Corps, United States Army; A.B., Boston College, 1937.
- CROUCH, SYDNEY J. L., *Head of Religion Department; Professor of Religion.*
Scotch College, Western Australia, 1910; Biblical Seminary, New York, 1915; B. D. Hartford Theological Seminary, 1922; Th.D., Union Theological Seminary, Richmond, Virginia, 1937.
- CURTIS, DONALD DEXTER, *Head of Mechanics and Hydraulics Department; Professor of Mechanics and Hydraulics.*
B.E., University of Iowa, 1919; M.S., University of Iowa, 1931.
- DALTON, LLOYD AMES, *Assistant Professor of Air Science and Tactics.*
Lieutenant, United States Air Force; B.S., Texas Agricultural and Mechanical College, 1933; Graduate: Officers' Training School, Miami Beach, 1943; Aviation Engineering, Geiger Field, 1945; Air University, Craig Field, 1949.
- DANIEL, DAVID WISTAR, *Dean Emeritus, School of Arts and Sciences; Professor Emeritus of English.*
A.B., Wofford College, 1892; M.A., Vanderbilt University, 1901; Litt.D., Wofford College, 1914.
- DAVIS, CECIL COOK, *Instructor in Economics.*
B.B.A., 1947, M.B.A., 1949, University of Georgia.
- DEAN, JORDAN ARTHUR, *Associate Professor of French and Spanish.*
A.B., Wofford College, 1933; M.A., Vanderbilt University, 1934; Graduate Work, University of Illinois, 1937.
- DILLON, ROBERT MORTON, *Assistant Professor of Architecture.*
B. Arch., University of Washington, 1949.
- DINWIDDIE, JOSEPH GRAY, JR., *Assistant Professor of Chemistry.*
B.S., Randolph-Macon College, 1942; Ph.D., University of Virginia, 1949.
- DUNAVAN, DAVID, *Associate Professor of Entomology and Zoology.*
B.S., Oregon Agricultural College, 1925; M.S., Iowa State College, 1928; Graduate Work, Cornell University, Summers 1929, 1931, 1935.
- EARLE, SAMUEL BROADUS, *Dean, School of Engineering; Professor of Mechanical Engineering; Director, Engineering Experiment Station.*
A.B., 1898, A.M., 1899, Furman University; M.E., Cornell University, 1902; LL.D., Furman University, 1932.
- EDWARDS, GEORGE HERBERT, JR., *Associate Professor of Mathematics.*
B.A., M.A., University of South Carolina, 1913; Graduate Work, University of Chicago, Summer, 1915; Columbia University, 1917, 1919, Summer, 1917.

*On leave.

EDWARDS, JOHN CALHOUN, *Assistant Professor of Textiles.*

B.S., Clemson Agricultural College, 1942.

*EDWARDS, JAMES LEON, *Instructor in Mechanical Engineering.*

B.M.E., Clemson Agricultural College, 1941; Graduate Work, Pennsylvania State College, 1949-1950.

EPTING, CARL LAFAYETTE, *Acting Head of Social Science Department; Professor of History and Government.*

A.B., Newberry College, 1921; A.M., University of South Carolina, 1924; Graduate Work, University of South Carolina, 1926, 1928, 1932-1934; University of North Carolina, Summers 1927, 1928.

FARRAR, MILTON DYER, *Head of Entomology and Zoology Department; Professor of Entomology and Zoology.*

B.S., Iowa State College, 1925; M.S., South Dakota State College, 1927; Ph.D., Iowa State College, 1933.

FEELEY, ROBERT OLIVER, *Head of Veterinary Science Department; Professor of Veterinary Medicine.*

D.V.S., New York University, 1906.

FELDER, HERMAN McDONALD, JR., *Assistant Professor of English.*

A.B., Wofford College, 1930; M.A., Vanderbilt University, 1937; Graduate Work, Duke University, Summers, 1933, 1934, 1946.

FERNOW, BERNHARD EDWARD, *Head of Mechanical Engineering Department; Professor of Mechanical Engineering.*

A.B., 1904, M.E., 1906, Cornell University.

FERRIER, WALLACE THOMAS, *Professor of Agricultural Economics.*

A.B., Tarkio College, 1910; M.S., Colorado State College, 1930; Ph.D., University of Minnesota, 1938.

*FORD, JOHN MARTIN, *Instructor in Civil Engineering.*

B.C.E., Clemson Agricultural College, 1946; Graduate Work, University of North Carolina, 1949-1950.

FOSTER, CHARLES D., *Assistant Professor of Military Science and Tactics.*

Major, Corps of Engineers, United States Army; B.S., Oregon State College, 1931; Graduate: Engineer School; Instructors Course, 1941; Divisional Course, 1943; Cadre Course, 1943.

FREEMAN, EDWIN JONES, *Head of Industrial Engineering Department; Professor of Industrial Engineering and Metallurgy.*

B.S., 1922, M.E., 1939, Clemson Agricultural College; M.S., Virginia Polytechnic Institute, 1942.

FRICK, WINFORD HUIELL, *Instructor in Weaving and Designing.*

B.S., Clemson Agricultural College, 1949.

GAGE, GASTON, *Head of Yarn Manufacturing Department, Professor of Carding and Spinning.*

B.S., Clemson Agricultural College, 1921; M.Ed., Pennsylvania State College, 1941.

GAINES, HENRY PEDEN, *Instructor in Textiles.*

B.S., Clemson Agricultural College, 1950.

GAMBRELL, CARROLL BLAKE, JR., *Instructor in Textiles.*

B.S., Clemson Agricultural College, 1949.

GARRISON, OLEN BRANFORD, *Professor of Horticulture.*

B.S., Clemson Agricultural College, 1938; M.S., Louisiana State University, 1934; Ph.D., Cornell University, 1939.

GATES, JOHN HOBART, *Head of Architectural Department; Professor of Architecture.*

B.S., Bates College, 1924; B.F.A., Yale University, 1928.

GENTRY, JOHN BAKER JR., *Associate Professor of Vocational Education.*

B.S., Furman University, 1932; Ed.M., Duke University, 1939; Graduate Work, University of Georgia, Summer, 1949.

*On leave.

- GERRITSEN, BURTON HENRY, *Instructor in Chemistry*.
B.S., Clemson Agricultural College, 1949.
- GILES, EDWARD STARKEY, *Assistant Professor of Electrical Engineering*.
B.S., Clemson Agricultural College, 1937.
- GLENN, HOWARD EMMITT, *Vice-Director, Engineering Experiment Station, Professor of Civil Engineering*.
B.S. in C.E., 1922, C.E., 1927, University of Kentucky; Graduate Work, Illinois Institute of Technology, Summer, 1940.
- GLENN, JOE DAVIS, JR., *Assistant Professor of Civil Engineering*.
B.C.E., Clemson Agricultural College, 1942; Graduate Work, University of Tennessee, 1947-1948.
- GODLEY, WILLIE CECIL, *Assistant Professor of Animal Husbandry*.
B.S., Clemson Agricultural College, 1943; M.S., North Carolina State College, 1949.
- GOLDGAR, BERTRAND ALVIN, *Instructor in English*.
B.A., 1948; M.A., 1949, Vanderbilt University.
- GOODALE, BEN EDMUND, *Professor of Dairying*.
B.S., 1922, M.S., 1929, Iowa State College.
- GOODIN, CURTIS PAUL, *Assistant Professor of Electrical Engineering*.
B.S., University of Kentucky, 1948.
- GRAHAM, JOHN SMITH, *Assistant Professor of Research and Testing*.
B.S., Clemson Agricultural College, 1943.
- GRAMLING, ROY McQUEEN, JR., *Assistant Professor of Military Science and Tactics*.
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1940; Armored Force Maintenance School 1941-1942.
- *GREEN, CLAUDE BETHUNE, *Associate Professor of English*.
B.A., 1935, M.A., 1938, University of Georgia; Graduate Work, University of North Carolina, Summer, 1938; University of Georgia, 1938-1940; Duke University, Summer, 1941; Yale University, 1946-1947; Duke University, 1948-1949, 1949-1950.
- GREEN, JOSEPH COLEMAN, *Professor of English*.
B.A., 1920, M.A., 1924, Ph.D., 1937, Vanderbilt University.
- GRIBBIN, ROBERT EMMET, JR., *Assistant Professor of Religion*.
B.A., Sewanee, 1937; S.T.B., General Theological Seminary, 1941; Graduate Work, Columbia University, Summer, 1949.
- GUEST, CLYDE MAXWELL, *Instructor in Chemistry*.
B.Ch.E., Clemson Agricultural College, 1949.
- GUION, THOMAS HYMAN, *Assistant Professor of Textile Chemistry and Dyeing*.
B.S., Davidson College, 1940; Ph.D., University of North Carolina, 1949.
- HALLMARK, GLENN DUNCAN, *Associate Professor of Electrical Engineering*.
B.S. in E.E., 1935, M.S. in E.E., 1946, Texas A. & M. College.
- HAMMETT, LYMAN RUSSELL, *Assistant Professor of Agricultural Engineering*.
B.S., Clemson Agricultural College, 1948.
- HAMMOND, ALEXANDER FRANCIS, *Instructor in Drawing*.
B.E.E., Clemson Agricultural College, 1949.
- *HANCE, LACONLA HINSON, *Assistant Professor of Weaving and Designing*.
B.S., Clemson Agricultural College, 1946; Graduate Work, Institute of Textile Technology, 1947-1948, 1948-1949, 1949-1950.
- HARDEE, A. MAYNOR, *Instructor in French and Spanish*.
A.B., 1947, M.A., 1948, University of South Carolina; Graduate Work, University of North Carolina, Summer, 1949.
- HARDEN, JOHN CHARLES, JR., *Instructor in Mathematics*.
B.S., Mississippi College, 1947; M.A., University of Tennessee, 1949.

*On leave.

- HARDIN, ELLIOTT WANNAMAKER, *Assistant Professor of Religion*.
A.B., Wofford College, 1935; B.D., Duke University, 1938.
- HARLEY, JAMES HADLEY, *Assistant Professor of Mechanics and Hydraulics*.
B.C.E., Clemson Agricultural College, 1946.
- HARRELSON, MCLEOD WILSON, *Instructor in Mechanical Engineering*.
B.M.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1948-1949, 1949-1950.
- HENDRICKS, THOMAS ANDREW, *Assistant Professor of Textiles*.
B.S., Clemson Agricultural College, 1937.
- HENDRIX, RICHARD CALVIN, *Instructor in Carding and Spinning*.
B.S., Clemson Agricultural College, 1948.
- HEYN, ANTONIUS NICOLAAS JOHANNES, *Professor of Natural and Synthetic Fibers*.
B.S., and M.S., Utrecht University, 1929; Ph.D., Utrecht University 1931; Fellowship with Rockefeller Foundation, College de France, 1932-1933.
- *HIND, ALFRED THOMAS, JR., *Instructor in Mathematics*.
A.B., 1934, M.A., 1936, Emory University; Graduate Work, Columbia University, 1937-1938, University of Michigan, 1949-1950.
- HOBSON, JAMES HARVEY, *Assistant Professor of Chemistry*.
B.S., University of South Carolina, 1939; M.A., Emory University, 1947; Graduate Work, Emory University, 1947-1948.
- HODGE, WYLIE FORT DUPRE, *Assistant Professor of Architecture*.
Clemson Agricultural College, 1907-1908, 1908-1909; New York School of Fine and Applied Arts, 1916-1916, 1920-1921; R.R. Gallerie di Firenze, Italy, Summer, 1931.
- HODGES, BAXTER HOWARD, *Assistant Professor of Chemistry*.
B.S., Clemson Agricultural College, 1933; Graduate Work, University of North Carolina, Summers 1935, 1936, 1937, 1938, 1939; Virginia Polytechnic Institute, Summers 1940, 1941, 1942.
- HOLMES, ALESTER GARDEN, *Professor Emeritus of History*.
B.S., The Citadel, 1897; Graduate Work, University of Chicago, Summer 1911.
- HOLT, ALBERT HAMILTON, *Instructor in English*.
A.B., 1939, M.A., 1947, University of North Carolina.
- HOWARD, FRANK JAMES, *Head Coach of Intercollegiate Athletics*.
B.S., University of Alabama, 1931.
- HROMI, JOHN DAVID, *Instructor in Mechanics and Hydraulics*.
B.S., Carnegie Institute of Technology, 1948; Graduate Work, University of Pittsburgh, Summer, 1949.
- *HUBBARD, JULIUS CLIFFORD, JR., *Assistant Professor of Weaving*.
B.S., Clemson Agricultural College, 1942; Graduate Work, Georgia Institute of Technology, 1949-1950.
- HUDSON, WILLIAM GARRAUX, *Instructor in Mechanical Engineering*.
B.M.E., Clemson Agricultural College, 1946.
- HUENERS, GEORGE WILLIAM, *Assistant Professor of Air Science and Tactics*.
Major, United States Air Force; D.C., Ph.C., Texas Chiropractic College, 1940; Graduate: Primary, Basic, Advanced Flying Schools, 1941-42, AAF School of Applied Tactics, 1942; Command and General Staff School, Air Staff Course, 1946; Transportation Refresher Course Air Defense Command, 1947.
- HUFF, LORENZ DITMAR, *Head of Physics Department; Professor of Physics*.
A.B., 1927, M.S., 1928, Oklahoma University; Ph.D., California Institute of Technology, 1931.
- HUGHES, DAVIS GREGORY, *Assistant Professor of Drawing*.
B.S., Clemson Agricultural College, 1939.

*On leave.

HUMPHREYS, HAROLD WESLEY, *Assistant Professor of Mechanics and Hydraulics.*

B.C.E., North Carolina State College, 1943; M.S., State University of Iowa, 1950.

HUNTER, HOWARD LOUIS, *Dean School of Chemistry and Geology; Professor of Chemistry.*

B. Chem., 1925, Ph.D., 1928, Cornell University; Massachusetts Institute of Technology, Summer 1939.

HUNTER, JOSEPH EVERETT, *Professor Emeritus of Mathematics.*

B.S., Clemson Agricultural College, 1896; Graduate Work, University of Chicago, Summers 1902, 1904, 1910; University of North Carolina, Summer 1928.

HURST, VICTOR, *Associate Professor of Dairying.*

B.S., 1938, M.S., 1940, Rutgers University; Ph.D., University of Missouri, 1948.

HUSMANN, WERNER EMIL AUGUST, *Professor of Agricultural Economics.*

B.S., University of Berlin, 1931; Ph.D., University of Berlin, 1933.

JACQUES, JAMES ROBERT, *Instructor in Physics.*

B.S., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1948-1949, 1949.

JAMESON, LAKE HUGH, *Instructor in Textiles.*

B.S., Clemson Agricultural College, 1942.

JARRELL, HERMAN ARNOLD, *Assistant Professor of Physics.*

A.B., Catawba College, 1941; Ph.D., University of North Carolina, 1948.

JOHNSON, RALPH BERNARD, *Instructor in Mathematics.*

A.B., Gustavus Adolphus College, 1940; M.A., Teachers College, Columbia University, 1941; M.A., University of Tennessee, 1949.

JONES, CHAMP McMILLIAN, *Associate Professor of Agronomy.*

B.S., Clemson Agricultural College, 1939; M.S., Cornell University, 1940.

JONES, JESS WILLARD, *Associate Professor of Agronomy.*

B.S., Clemson Agricultural College, 1937; M.S., Cornell University, 1938.

JONES, MORRIS WILEY, *Instructor in Electrical Engineering.*

B.E.E., Clemson Agricultural College, 1947; Graduate Work, Clemson Agricultural College, 1947-1948, 1948-1949, 1949-1950.

JONES, ROBERT MORGAN, *Assistant Coach.*

B.S., Clemson Agricultural College, 1930.

JUMPER, ROY EULLISS, *Instructor in History and Government.*

A.B., M.A., University of South Carolina, 1949.

*KELLY, LOUIS GRANT, *Assistant Professor of Mathematics.*

B.S., Clemson Agricultural College, 1937; Graduate Work, University of North Carolina, Summers 1938, 1939, 1940, 1941; University of Minnesota, 1948-1949, 1949-1950.

KERR, HUGH BARKLEY, *Instructor in Mechanical Engineering.*

B.S., University of Tennessee, 1947; Graduate Work, University of Tennessee, Summer, 1949.

KERSEY, ROBERT NOEL, JR., *Assistant Professor of Electrical Engineering.*

B.S. in E.E., Georgia School of Technology, 1942.

KINARD, FRANCIS MARION, *Dean, School of Arts and Sciences; Professor of English.*

A.B., Wofford College, 1923; A.M., University of North Carolina, 1929; Graduate Work, University of North Carolina, Summer 1930; Litt.D., Wofford College, 1944.

KING, WILLIS ALONZO, *Professor of Dairying.*

B.S., Clemson Agricultural College, 1936; M.S., 1938, Ph.D., 1940, University of Wisconsin.

KIRBY, EUGENE WILLIAM, *Assistant Professor of Military Science and Tactics.*

Captain, Quartermaster Corps, United States Army; B.S., John Carroll University, 1940; Graduate: Officers' Candidate School, 1942.

*On leave.

- KIRKLEY, FRANCIS EDWARD, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1929; Graduate Work, Clemson Agricultural College, Summers 1938, 1939, 1940; University of Kentucky, Summers, 1942, 1943, 1946, 1947.
- KIRKWOOD, CHARLES EDWARD, JR., *Associate Professor of Mathematics.*
A.B., Lynchburg College, 1935; M.S., University of Georgia, 1937; Graduate Work, University of North Carolina, Summer 1939; Duke University, Summer 1940.
- KLUGH, WILLISTON WIGHTMAN, *Professor Emeritus of Drawing and Designing; Head of Drawing and Designing Department, Emeritus.*
B.S., Clemson Agricultural College, 1896; Graduate Work, Vanderbilt University, 1898; Cornell University, 1900.
- LAGRONE, JOHN WALLACE, *Associate Professor of Mathematics.*
B.S., Clemson Agricultural College, 1932; M.A., Vanderbilt University, 1934; Graduate Work, University of Kentucky, 1939-1940.
- LAMBERT, ROBERT STANSBURY, *Instructor in History and Government.*
A.B., 1942; M.A., 1948, University of North Carolina; Graduate Work, University of North Carolina, 1948-1949.
- LANDER, ERNEST M. JR., *Associate Professor of History and Government.*
A.B., Wofford College, 1937; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, Summers 1940, 1941, 1942, 1947-1948, 1948-1949.
- LANE, JOHN DEWEY, *Professor of English.*
A.B., Newberry College, 1920; M.A., University of Virginia, 1924; Graduate Work, Columbia University, 1928-1929; Summer 1923; George Peabody College, Summer 1935.
- LAMASTER, JOSEPH PAUL, *Head of Dairy Department; Professor of Dairying.*
B.S., 1918, M.S., 1928, University of Kentucky.
- LANGSTON, JAMES HORACE, *Associate Professor of Textile Chemistry and Dyeing.*
A.B., Stephen F. Austin State Teachers College of Texas, 1937; M.A., 1939, Ph.D., 1941, University of North Carolina.
- LAROCHE, EVANS ALLEN, *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942.
- LATHEM, RALPH CRENSHAW, *Assistant Professor of Yarn Manufacturing.*
B.S., Alabama Polytechnic Institute, 1941; Graduate Work, Clemson Agricultural College, 1949.
- LAZAR, JAMES TARLTON, JR., *Assistant Professor of Dairying.*
B.S., Clemson Agricultural College, 1943; M.S., Cornell University, 1949.
- LEE, RUDOLPH EDWARD, *Professor Emeritus of Architecture; Head of Architectural Department, Emeritus.*
B.S., 1896, M. Arch. 1928, Clemson Agricultural College; Graduate Work, Zanerian Art School, Summer 1899; Cornell University, Summer 1900; University of Pennsylvania, 1901.
- LEHOTSKY, KOLOMAN, *Associate Professor of Forestry.*
Forest Engineer, Bohemian Technical University, Prague, Czechoslovakia, 1928. Ph.D., University of Michigan, 1934.
- LEWIS, ALEXANDER DODGE, *Associate Professor of Mechanical Engineering.*
B.S. in M.E., University of Tennessee, 1939; M.M.E., Yale University, 1946.
- LEWIS, THOMAS WATSON, JR., *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1950.
- LINDENBERG, EDWARD AUGUST, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1949.
- LINDSAY, JOSEPH, JR., *Head of Textile Chemistry and Dyeing Department; Professor of Textile Chemistry and Dyeing.*
A.B., Erskine College, 1919; M.S., University of Tennessee, 1945.
- LINDSEY, TATE JEFFERSON, *Professor of Physics.*
B.S., Mississippi College, 1928; Ph.D., Indiana University, 1936.

LITTLEJOHN, CHARLES EDWARD, *Assistant Professor of Chemical Engineering.*

B.S., Clemson Agricultural College, 1940; M.Ch.E., North Carolina State College, 1941; Graduate Work, Virginia Polytechnic Institute, 1946-1947, Summer, 1949.

LONG, JIM THOMAS, *Assistant Professor of Electrical Engineering.*

B.E.E., Clemson Agricultural College, 1943; Graduate Work, Georgia Institute of Technology, 1948-1949.

LONGSTREET, ROBERT HUDSON, *Associate Professor of Architecture.*

B.S., University of Virginia, 1936.

LOWRY, WALTER LEE, JR., *Associate Professor of Civil Engineering.*

B.S. in C.E., Virginia Military Institute, 1930; M.C.E., Rensselaer Polytechnic Institute, 1938.

LUDWIG, DONALD ALLEN, *Instructor in Economics.*

B.A., Allegheny College, 1947; Graduate Work, University of Virginia, 1947-1949.

MCDAMS, WILLIAM NEWTON, *Associate Professor of Agricultural Engineering.*

B.S., Clemson Agricultural College, 1938; M.S., University of Georgia, 1939.

MCCORMAC, JACK CLARK, *Instructor in Civil Engineering.*

B.S., The Citadel, 1948; M.S., Massachusetts Institute of Technology, 1949.

MCCULLOCH, JOHN TALBOT, *Instructor in Architecture.*

B.S., Clemson Agricultural College, 1947.

MCDONALD, PATRICK HILL, JR., *Instructor in Mechanics and Hydraulics.*

B.S.E., North Carolina State College, 1947; Graduate Work, Northwestern University, Summer, 1949.

MCGARITY, HUGH HARRIS, *Director of Music; Associate Professor of Music.*

B.F.A., University of Georgia, 1940; M.F.A., University of Georgia, 1946; Graduate Work, University of Southern California, Summer, 1947.

MCGEE, CHARLES M., JR., *Assistant Professor of English.*

A.B., Furman University, 1934; A.M., Duke University, 1941; Graduate Work, Duke University, 1946.

McHUGH, CARL MANNING, *Assistant Professor of Drawing.*

B.S., Clemson Agricultural College, 1936; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.

McFADDEN, JAMES BANKS, *Assistant Coach.*

B.S., Clemson Agricultural College, 1940.

MCGINTY, RUPERT ALONZO, *Vice-Director of Agricultural Experiment Station.*

B.S., Alabama Polytechnic Institute, 1913; A.M., Washington University, 1919; Graduate Work, Cornell University, 1926-1927.

McKENNA, ARTHUR ERNEST, *Head of Weaving and Designing Department; Professor of Weaving and Designing.*

Graduate Rhode Island School of Design, 1922; Bradford-Durfee Textile School, 1925; B.S., Clemson Agricultural College, 1930; M.S., University of Tennessee, 1938.

McMILLAN, COVINGTON, *Assistant Coach.*

B.S., Clemson Agricultural College, 1930; M.A., George Peabody College, 1935.

McMILLIN, HARRY ANDREW, *Assistant Professor of Architecture.*

B.S., Pennsylvania State College, 1948.

MACAULAY, HUGH HOLLEMAN, JR., *Instructor in Economics.*

B.S., 1947, M.S., 1948, University of Alabama.

MACINTOSH, FRED HENRY, *Associate Professor of English.*

A.B., University of South Carolina, 1936; M.A., Duke University, 1942; Graduate Work, Duke University, 1946, 1947-1948.

- MARSHALL, JOHN LOGAN, *Head of Wood Shop Department; Associate Professor of Wood Work.*
B.S., Clemson Agricultural College, 1909; Graduate Work, Bradley Polytechnic Institute, 1919.
- MARTIN, JOHN CAMPBELL, *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1948.
- MARTIN, SAMUEL MANER, *Professor Emeritus of Mathematics; Head of Mathematics Department, Emeritus.*
B.S., The Citadel, 1896; Graduate Work, Cornell University, Summer, 1900; Harvard University, Summer 1904; University of Chicago, Summer 1908.
- MARVIN, JOHN HENRY, JR., *Instructor in Yarn Manufacturing.*
B.S., Clemson Agricultural College, 1941.
- MATHEWS, ANDREW CLARK, *Associate Professor of Botany.*
A.B., 1928, M.A., 1931; Ph.D., 1939, University of North Carolina.
- MAULDIN, WILLIAM LAWRENCE, *Assistant Professor of Chemistry.*
B.S., Furman University, 1936; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, 1939-1940.
- MEEKS, CHARLES DAVENPORT, *Instructor in Forge and Foundry.*
B.M.E., Clemson Agricultural College, 1942.
- METZ, GUSTAVE ERNEST, *Registrar.*
B.S., Clemson Agricultural College, 1927; M.A., University of North Carolina, 1928; Graduate Work, University of North Carolina, 1928-1929; Ohio State University, Summer 1930; Teachers College, Columbia University, 1931-1932; University of Chicago, Summer 1939.
- *MILLER, WILLIAM GILBERT, *Associate Professor of Mathematics.*
A.B., Birmingham Southern College, 1931; M.A., University of Florida, 1933; Graduate Work, University of Florida, Summers, 1933, 1949-1950.
- MITCHELL, JACK HARRIS, *Professor of Chemistry.*
B.S., 1903, M.S., 1904, Alabama Polytechnic Institute; M.S., University of Illinois, 1911.
- MONROE, JAMES BEASLEY, *Head of Vocational Agricultural Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1915; M.S., Texas A. & M. College, 1935; Graduate Work, Cornell University, Summer 1938.
- MOORMAN, ROBERT WARDLAW, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1940; M.S., State University of Iowa, 1947.
- MORGAN, CHARLES LEE, *Head of Poultry Husbandry Department; Professor of Poultry Husbandry.*
B.S., 1918, M.S., 1927, University of Kentucky; Graduate Work, University of Wisconsin, 1931-1932.
- MOSS, ALEX ANDREW, *Instructor in Civil Engineering.*
B.C.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1949-1950.
- MUSSER, ALBERT MYERS, *Head of Horticulture Department; Professor of Horticulture.*
B.S., University of Florida, 1918; Graduate Work, Michigan State College, 1930, 1933.
- MYERS, THORNTON KISE, *Assistant Professor of Air Science and Tactics.*
Major, United States Air Force; B.S., Purdue University, 1935; Graduate: Air Force Primary, Basic and Advanced Flying Schools, 1937; Air ROTC Instructors Indoctrination Course, Air University, 1948.
- NAUCK, DONALD ADAMS, *Assistant Professor of Military Science and Tactics.*
Captain, Signal Corps, United States Army; B.S.E.E., Montana State College, 1934; Graduate: The Signal Corps School, 1941, Army Air Force School of Applied Tactics, 1943.

*On leave.

- NIX, RICHARD EUGENE**, *Instructor in Drawing*.
B.E.E., Clemson Agricultural College, 1949.
- NORMAN, ABSALOM WILLIS**, *Assistant Coach*.
A.B., Roanoke College, 1913.
- NOWACK, ROBERT FRANCIS**, *Instructor in Mathematics*.
B.S., Carnegie Institute of Technology, 1948; Graduate Work, University of Pittsburgh, Summer, 1949.
- NUTT, GEORGE BASS**, *Head of Agricultural Engineering Department; Professor of Agricultural Engineering*.
B.S., Mississippi State College, 1930; M.S., Iowa State College, 1940.
- *O'DELL, WAYNE TALMAGE**, *Assistant Professor of Dairying*.
B.S., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1949-1950.
- OWINGS, MARVIN ALPHEUS**, *Associate Professor of English*.
A.B., Wofford College, 1931; M.A., 1932, Ph.D., 1941, Vanderbilt University.
- PARK, EUGENE**, *Assistant Professor of Mathematics*.
A.B., University of Georgia, 1939; M.A., Lehigh University, 1941; Graduate Work, University of Wisconsin, 1947-1948.
- PERRY, ROBERT LINDSAY**, *Instructor in Mechanical Engineering*.
B.M.E., Clemson Agricultural College, 1947.
- PETERSON, WEBER HJALMAR**, *Professor of Agricultural Economics*.
B.S., 1936, M.S., 1938, Montana State College; Ph.D., University of Minnesota, 1947.
- PETROFF, GILMER**, *Assistant Professor of Architecture*.
Yale School of Fine Arts, 1932-1933; Summer 1933; University of Wisconsin, Summer 1922; Europe, 1931, Mexico, Winter, 1934.
- *POE, HERBERT VERNON**, *Assistant Professor of Electrical Engineering*.
B.S. in E. E., North Carolina State College, 1944; Graduate Work, Texas A. & M. College, 1949-1950.
- POLK, HENRY TASKER**, *Associate Professor of Chemistry*.
B.S., 1931, M.S., 1933, University of Kentucky; Ph.D., Cornell University, 1938.
- POLLARD, FRANK H.**, *Professor of Chemistry*.
B.Chem., 1916, Ph.D., 1922, Cornell University.
- POTTER, LARRY, HOLMES**, *Instructor in Mathematics*.
A.B.E., 1943, M.A., 1949, University of Florida.
- POWELL, WOODROW WILSON**, *Assistant Professor of English*.
B.S., Georgia Teachers' College, 1937; A.M., Duke University, 1941; Graduate Work, University of North Carolina, 1941-1942; Duke University, 1946-1947, 1948-1949.
- PURSER, D. I.**, *Assistant Professor of English*.
B.A., Furman University, 1937; M.A., Duke University, 1942.
- PUTNAM, SAMUEL RUFUS**, *Assistant Professor of Architecture*.
B.S., 1948; B.Arch, 1949, Clemson Agricultural College.
- RAINEY, WILLIAM THOMAS, JR.**, *Assistant Professor of Textile Chemistry and Dyeing*.
B.S., Davidson College, 1939; Ph.D., University of North Carolina, 1949.
- REAVES, HARRY LEE**, *Instructor in Physics*.
A.B., 1949, M.S., 1949, West Virginia University; Graduate Work, Clemson Agricultural College, 1950.
- REED, ALBERT RAYMOND**, *Associate Professor of Physics*.
A.B., Wofford College, 1925; M.S., University of South Carolina, 1931; Graduate Work, University of North Carolina, Summers 1931, 1933.
- REED, CHARLES ALBERT**, *Associate Professor of Physics*.
A.B., 1926, M.S., 1929, Ph.D., 1948, University of Oklahoma.

*On leave.

- RHODES, SAM ROSEBOROUGH, *Head of Electrical Engineering Department; Professor of Electrical Engineering.*
B.L., 1900, M.S., 1901, Furman University; B.S., 1907, E.E., 1928, Clemson Agricultural College.
- RHYNE, ORESTES PEARL, *Head of Modern Language Department; Professor of Modern Languages.*
A.B., Lenoir-Rhyne College, 1907; A.B., 1908, A.M., 1909, University of North Carolina; Ph.D., Johns Hopkins University, 1918; University of Heidelberg, Summer 1914; Resident in Leipzig, 1922.
- *RICHARDSON, DRAYTFORD, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1938; Graduate Work, Iowa State College, 1949-1950.
- RICHARDSON, JOE BYRON, *Associate Professor of Agricultural Engineering.*
B.S., Mississippi State College, 1937; M.S., Iowa State College, 1938.
- RICHARDSON, JOEL L., *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1942.
- *RITCHIE, ROBERT RUSSELL, *Professor of Animal Husbandry.*
B.S., 1926, M.S., 1938, Iowa State College.
- ROBINSON, DAVID HUNTER, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1941.
- ROBINSON, GILBERT CHASE, *Head of Ceramic Engineering Department; Associate Professor of Ceramic Engineering.*
B. Cer. E., North Carolina State College, 1940.
- ROGERS, ERNEST BRASINGTON, *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1948.
- ROSENKRANS, DUANE BENJAMIN, *Professor of Botany.*
A.B., Upper Iowa University, 1911; M.A., University of Wisconsin, 1917.
- ROSTRON, JOSEPH PRUGH, *Assistant Professor of Civil Engineering.*
A.A., Pasadena Junior College, 1935; B.S. in C.E., Southern Methodist University, 1941.
- RUSH, JOHN MILLARD, *Associate Professor of Bacteriology.*
A.B., Indiana University, 1928; M.S., Illinois University, 1935; Ph.D., Purdue University, 1947.
- RUTLEDGE, RAY WATSON, *Associate Professor of Botany.*
B.S., Union University, 1928; M.A., George Peabody College, 1924; Ph.D., University of Chicago, 1930.
- SALLEY, JAMES RAWORTH, JR., *Instructor in Chemistry.*
B.S., College of Charleston, 1937; Graduate Work, Clemson Agricultural College, 1949-1950.
- SAMS, JAMES HAGOOD, JR., *Vice-Dean, School of Engineering; Professor of Mechanical Engineering.*
B.S., Clemson Agricultural College, 1924; E.E., Cornell University, 1926; M.S., 1931, Ph.D., 1937, University of Michigan.
- SCHIRMER, FRANK BONNELL, JR., *Professor of Chemistry.*
B.S., Clemson Agricultural College, 1934; Ph.D., Cornell University, 1939.
- SEFICK, HAROLD JOHN, *Associate Professor of Horticulture.*
B.S., 1935, M.S., 1937, Rutgers University; Graduate Work, Michigan State College, 1941-1942, Fall, 1948.
- *SENN, TAZE LEONARD, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1939; Graduate Work, University of Tennessee, 1941-1942, University of Maryland, 1949-1950.
- SHACKELFORD, MACFARLAND, *Assistant Professor of Physics.*
B.S., Virginia Polytechnic Institute, 1920.
- SHELDON, DAWSON C., *Head of Mathematics Department; Professor of Mathematics.*
B.S., State College of Washington, 1925; M.A., 1927, Ph.D., 1929, University of California.

*On leave.

- SHELLEY, ROBERT CLIFTON, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1940.
- SHEPARD, WAYNE WIESMAN, *Assistant Professor of Architecture.*
B.F.A., University of Washington, 1932; M.A., Claremont College, 1942.
- SHIGLEY, JOSEPH EDWARD, *Head of Drawing and Designing Department; Professor of Drawing and Designing.*
B.S. in E.E., 1931, B.S. in M.E., 1932, Purdue University; M.S., University of Michigan, 1946.
- SMITH, RUSSELL BATCH, *Assistant Professor of Military Science and Tactics.*
Lieutenant Colonel, Infantry, United States Army; B.S., United States Military Academy, 1935; Graduate: The Infantry School, Regular Course, 1940; The Command and General Staff School, 1945.
- SMITH, WILLIAM ELMER, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: Officers Advanced Course, The Infantry School, 1946-47.
- SNELL, ABSALOM WEST, *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1949.
- SPROULE, WILLIAM, *Instructor in Textiles.*
B.S., Philadelphia Textile Institute, 1939.
- STANLEY, EDWARD L., *Assistant Professor of Mathematics.*
B.S., East Tennessee State College, 1930; M.S., University of Tennessee, 1935; Graduate Work, George Peabody College, Summer 1938; University of Missouri, Summers 1940, 1941, Spring 1941; Michigan State College, Summer, 1949.
- STARKEY, LAWRENCE VINCENT, *Head of Animal Husbandry Department; Professor of Animal Husbandry.*
B.S., University of Illinois, 1914; M.S., University of Wisconsin, 1917; Graduate Work, University of Wisconsin, 1930.
- STENSTROM, EDWARD FARNUM, *Assistant Professor of Industrial Engineering.*
B.S., Clemson Agricultural College, 1943.
- STEFF, JAMES MARVIN, *Professor of Agricultural Economics.*
A.B., Berea College, 1937; M.A., 1938, Ph.D., 1940, University of Virginia.
- ST. HUBERT, ROBERT LAMONTAGNE, *Visiting Professor of Architecture.*
Ecole des Beaux Arts, Paris; University of Paris.
- STRIBLING, BRUCE HODGSON, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1918; M.S., Ohio State University, 1945.
- STUART, CHARLES MORGAN, *Assistant Professor of Mathematics.*
A.B., Wofford College, 1920; M.A., Duke University, 1935; Graduate Work, University of South Carolina, 1938, 1945.
- SUDDETH, JIMMIE ALAN, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1948.
- SULLIVAN, JOHN RUSSELL, *Instructor in Mathematics.*
A.B., 1939, M.A., 1949, Georgetown University.
- SUTTON, JAMES FRANKLIN, *Assistant Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1944; M.S. in M.E., University of Michigan, 1948; Graduate Work, University of Michigan, 1948-1949.
- TARRANT, WILLIAM EDWARD, SR., *Associate Professor of Weaving.*
B.S., Clemson Agricultural College, 1927; M.Ed., Pennsylvania State College, 1947.
- TAYLOR, BRUCE ELLIOTT, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1949.
- TAYLOR, RUPERT, *Professor of English.*
A.B., 1903, A.M., 1906, University of Arkansas; Ph.D., Columbia University, 1911.

- TAYLOR, ZACHARY, JR., *Instructor in Economics*.
A.B., University of North Carolina, 1945; Graduate Work, University of Alabama, 1946-1948.
- THODE, FREDERICK WILBUR, *Assistant Professor of Horticulture*.
B.S., Clemson Agricultural College, 1940; Graduate Work, Cornell University, Summer, 1949.
- THOMAS, JAMES RITTER, *Assistant Professor of Dairying*.
B.S., Clemson Agricultural College, 1947.
- THOMSON, DANIEL PARK, JR., *Assistant Professor of Carding and Spinning*.
B.S., Clemson Agricultural College, 1927; Graduate Work, Furman University, Summer, 1936; Clemson Agricultural College, Summer 1938; George Peabody College, Summer 1938.
- TINGLEY, FREEMAN THAYER, *Professor of Electrical Engineering*.
B.S., 1922, E.E., 1935, Bucknell University; M.S., University of Illinois, 1929.
- *TREVILLIAN, WALLACE DABNEY, *Assistant Professor of Economics*.
B.S., 1940, M.A., 1947, University of Virginia; Graduate Work, University of California, 1949-1950.
- TRIVELY, ILO ALLEY, *Associate Professor of Civil Engineering*.
B.S. in C.E., 1928, M.S. in C.E., 1941, University of Nebraska.
- *TUTTLE, JACK EDWIN, *Instructor in History and Government*.
B.A., 1940, M.A., 1948, Pennsylvania State College; Graduate Work, University of South Carolina, 1949-1950.
- TYNER, RAYMOND ELLIS, *Instructor in English*.
A.B., Berry College, 1945; M.A., University of Georgia, 1948; Graduate Work, University of North Carolina, Summer, 1949.
- VAN BLARICOM, LESTER OSCAR, *Associate Food Technologist*.
B.S., 1938, M.S., 1940, Oregon State College.
- VAN ESELTINE, WILLIAM PARKER, *Associate Professor of Bacteriology*.
A.B., Oberlin College, 1944; M.S., 1947; Ph.D., 1949, Cornell University.
- *VAUSE, ROBERT ZENO, JR., *Instructor in Mathematics*.
B.S., University of South Carolina, 1943; M.A., Duke University, 1947; Graduate Work, George Washington University, Summer, 1948; University of North Carolina, 1949-1950.
- WADE, BAILEY THOMAS, *Instructor in Mathematics*.
A.B., Franklin College, 1948; M.S., Kent State University, 1949.
- WAITE, E. EMERSON, JR., *Associate Professor of Sociology and Psychology*.
B.S., Middlebury College, 1929; M.A., Duke University, 1940.
- WALTERS, JOHN VERNON, *Assistant Professor of Textiles*.
B.S., Clemson Agricultural College, 1933; Graduate Works, Pennsylvania State College, Summers 1940, 1941; Clemson Agricultural College, Summer 1938, 1949-1950.
- WARE, ROBERT EDWARD, *Associate Professor of Zoology and Entomology*.
B.S., Iowa Wesleyan College, 1929; Graduate Work, Iowa State College, Summers, 1931, 1932, 1938, 1940.
- WARNHOFF, EDWARD HERMAN, JR., *Associate Professor of Entomology*.
B.S., Clemson Agricultural College, 1946; M.S., Texas A.&M. College, 1947.
- WASHINGTON, WILLIAM HAROLD, *Dean, School of Education; Professor of Vocational Education*.
B.S., Clemson Agricultural College, 1920; M.S., Iowa State College, 1922; Graduate Work, Georgia School of Technology, Summer 1925; George Peabody College, Summers 1928, 1929; 1932-1933.
- WATSON, CHARLIE HUGH, *Assistant Professor of English*.
A.B., Wofford College, 1933; A.M., Duke University, 1945.
- WATSON, ERNEST CHISOLM, *Assistant Professor of Military Science and Tactics*.
Lieutenant Colonel, Infantry, United States Army; B.S., Clemson Agricultural College, 1926; Graduate: The Armored School Advanced Tactics, 1942; Aerial Observers School, 1943; The Command and General Staff College, 1947.

*On leave.

- WATSON, SAMUEL McIVER, JR., *Associate Professor of Mechanical Engineering.*
A.B., Elon College, 1936; B.S., 1937, M.S., 1942, North Carolina State College.
- *WEBB, WILLIAM EDWARD, *Instructor in History and Government.*
A.B., Hampden Sydney College, 1943; M.A., Duke University, 1947; Graduate Work, University of Virginia, 1949-1950.
- WHEELER, RICHARD FERMAN, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1947; M.A., Mississippi State College, 1949.
- WHITE, THOMAS ARLINGTON, *Professor of Vocational Education.*
B.S., 1924, M.S., 1929, North Carolina State College; Ph.D., Cornell University, 1933.
- WHITLAW, NATHANIEL OLMSTEAD, *Assistant Professor of Military Science and Tactics.*
Lieutenant Colonel, Cavalry, United States Army; B.S., Clemson Agricultural College, 1932; Graduate: Armored School: Tank Course, 1941, Advanced Tactics Course, 1942, Officers' Instructors Course, 1945.
- WHITNEY, JOHN BARRY, JR., *Associate Professor of Botany.*
B.S., University of Georgia, 1935; M.S., North Carolina State College, 1938; Ph.D., Ohio State University, 1941.
- *WHITTEN, WILLIAM CLYDE, JR., *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1947; Graduate Work, Georgia Institute of Technology, 1949-1950.
- WILKINS, RICHARD IRWIN, *Instructor in Architecture.*
B.S., Clemson Agricultural College, 1950.
- WILLIAMS, JOHN FREDERICK, *Instructor in Chemistry.*
B.S., University of South Carolina, 1944; Graduate Work, Clemson Agricultural College, 1949, Summer, 1949, 1949-1950.
- WILLIAMS, JACK KENNY, *Assistant Professor of History and Government.*
A.B., Emory and Henry College, 1940; M.A., Emory University, 1947; Graduate Work, University of Kentucky, Summer, 1948; University of Virginia, Summer, 1949.
- WILLIAMS, WILLIAM BRATTON, *Assistant Professor of Weaving and Designing.*
B.S., 1925, M.S., 1950, Clemson Agricultural College.
- WILSON, HAROLD BETTS, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1941.
- WILSON, MILNER BRADLEY, JR., *Assistant Professor of English.*
A.B., Wofford College, 1924; A.M., Columbia University, 1936.
- WILSON, WILBUR ALBERT, *Instructor in Mathematics.*
B.S.E., 1948, M.S., 1949, University of Arkansas.
- WINTER, JAMES PAUL, *Assistant Professor of English.*
A.B., Marshall College, 1930; M.A., Columbia University, 1932; Graduate Work, Columbia University, 1932-1933, Summers 1939, 1940; New York University, Summers 1936, 1938; Tulane University, Summer 1935.
- WOOD, KENNETH L., *Assistant Professor of Physics.*
B.S., Carson Newman College, 1932; M.S., University of Tennessee, 1934; Graduate Work, Duke University, Summer 1940.
- WOOD, ROY, *Assistant Professor of Economics.*
B.A., 1943, M.A., 1948, University of Virginia; Graduate Work, University of Virginia, 1947-1948.
- WOOD, WILLIAM ANDREW, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1949; Graduate Work, Clemson Agricultural College, 1949-1950.
- WRAY, CHARLES VICTOR, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1940.

*On leave.

INSTRUCTIONAL ASSISTANTS^{*}

- ARONSON, ARTHUR AARON, A.B., *Chemistry*
- BRUNER, GEORGE EVANS, III, B.S., *Chemistry*
- GRANT, WALTER ERVIN, A.B., *Chemistry*
- HARDIN, EDWIN GARRETT, B.S., *Chemistry*
- SLONE, ALLEN RIDLEY, B.S., *Chemistry*
- THOMPSON, DEWEY TILLMAN, B.S., *Chemistry*
- PETTIT, SAM LAYTON, *Civil Engineering*
- TAYLOR, ROY PRESTON, JR., *Civil Engineering*
- ELROD, ALVON CREIGHTON, B.M.E., *Mechanical Engineering*
- ELROD, WILLIAM CORBIN, B.M.E., *Mechanical Engineering*
- DOBBINS, JOHN PAUL, B.S., *Physics*
- ROBINSON, LEON HAYNSWORTH, JR., B.S., *Physics*
- ROBINSON, SAMUEL WILLIS, JR., B.S., *Physics*
- SAPP, ELI FRANKLIN, JR., *Physics*
- CAUBLE, RAY NEWMAN, A.B., *Physics*
- KINCAID, WILLIAM LEO, A.B., *Physics*
- HAWKINS, JOHN WALTER, B.S., *Textile Chemistry and Dyeing*
- JENKINS, RICHARD FREDERICK, B.S., *Textile Chemistry and Dyeing*
- LIPTON, MOREY, B.S., *Zoology and Entomology*
-

^{*}List of Instructional Assistants compiled February 15, 1950.

STANDING COMMITTEES OF THE FACULTY 1949 – 1950

ADMISSIONS:

Vickery, *Chairman*; Cook, J. C., Garrison, Gentry, Hobson, Langston, Stanley.

ATHLETICS:

Milford, *Chairman*; Gage, Mitchell, J. H., Morgan, T. W., Rhodes, Frank Howard, Coach, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*; G. E. Metz, Registrar, *ex officio*.

BUILDINGS AND GROUNDS:

Watson, D. J., *Chairman*; Gates, Glenn, H. E., Hill, H. H., McGinty, Musser, Nutt, Rhodes, Sams, Webb, H. J.

CALENDAR:

Osborne, *Chairman*; Crouch, Donelon, Gribbin, Hardin, Hill, H. H., Holtzendorff, Metz, Morgan, T. W., Miss Shanklin, Simons, Spangenberg, Woodward, The Commandant, Editor of the Tiger, President of the Senior Class, President of Tiger Brotherhood, President of Blue Key, President of Central Dance Association.

CATALOG:

Vickery, *Chairman*; Brown, A. J., Bradbury, Kinard, Simons.

CONCERT SERIES:

Metz, *Chairman*; Burtner, Cook, J. C., Hill, G. H., McGarity, Morgan, C. L., Osborne, Miss Shanklin, Watson, D. J., President of Mu Beta Psi, President of the Senior Class, Editor of The Tiger.

CURRICULA:

Earle, *Chairman*; Bradley, Brown, H. M., Cooper, H. P., Hunter, H. L., Kinard, Metz, Sheldon, Washington.

DEFICIENT STUDENTS:

Kinard, *Chairman*; Cook, J. R., Gentry, Hobson, LaGrone, McKenna, Stanley, Tingley, Watson, C. H.

ETHICS AND RELIGION:

Crouch, *Chairman*; Donelon, Gribbin, Hardin, Holtzendorff.

EVALUATION OF TRANSFER CREDITS:

Owings, *Chairman*; Gage, *Vice-Chairman*; Vickery, *Secretary*; Berne-Allen, Epting, Felder, Hallmark, Huff, Jones, J. W., Lindsay, J., Morgan, C. L., Nutt, Petroff, Polk, Rosenkrans, Sheldon, Stribling, B. H., Trively, Watson, S. M.

FOOD AND NUTRITION:

LaMaster, *Chairman*, Lease, Littlejohn, J. C., Milford, Morgan, C. L., Musser, Nutt, Patrick, Starkey, Van Blaricom, Mess Officer, *ex officio*.

GRADUATE WORK:

Webb, H. J., *Chairman*; Arndt, Aull, Brown, H. M., Carodemos, Collings, Cook, J. M., Freeman, Glenn, H. E., Green, J. C., Huff, Hunter, H. L., King, Sams, Schirmer, Taylor, R., White.

LIBRARY:

Bradley, *Chairman*; Aull, Berne-Allen, Bolen, Bryan, Carodemos, Collings, Earle, Lindsay, J., Rosenkrans, Stanley, Taylor, R., Watkins, Whitney, Miss Graham, Librarian, *ex officio*.

LOANS:

Littlejohn, J. C., *Chairman*; Brown, A. J., Hill, G. H., Howard, Vickery, Woodward.

PUBLIC LECTURES:

Bolen, *Chairman*; Bradley, Cloaninger, Freeman, Green, J. C., Goodale, Langston, Lindsey, T. J., Stribling, B. H.

PUBLICATIONS AND RADIO:

McGINTY, *Chairman*; Califf, Eleazer, Lane, Osborne, Seabrook, Simons, Stribling, S. C., Vickery.
(J. D. Lane, Faculty Adviser for student publications.)

RECREATION:

Webb, H. J., *Chairman*; Cannon, Epting, Gage, Glenn, H. E., Godbey, Hill, G. H., Kirkley, Miller, Musser, Nutt, Patrick, Roark, Watson, D. J.

KRESS RESEARCH:

McGinty, *Chairman*; Carodemos, Lease, Lindsay, J., Sheldon, Stepp, Tingley, White, Miss Graham, Librarian, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*.

RESEARCH, PLANNING AND DEVELOPMENT:

Brown, H. M., *Chairman*; Arndt, Carodemos, Heyn, LaMaster, Musser, Nutt, Peterson, Robinson, G. C., Sams, Watson, D. J.

SCHEDULE:

LaGrone, *Chairman*; Brock, J. L., Brownley, Epting, Gage, Huff, Jones, J. W., McGee, Morgan, C. L., Smith, W. E., Tingley, Vickery.

SCHOLARSHIP AWARDS:

Metz, *Chairman*; Brown, A. J., Gage, Kinard, Rutledge, Shigley, White.

SCHOLARSHIP AND HONORS:

Sheldon, *Chairman*; Carodemos, Curtis, Gentry, Hallmark, King, Lindsay, J., McGinty, McIntosh, McKenna, Monroe, Schirmer.

SOCIAL FUNCTIONS:

Edwards, G. H., *Chairman*; Bowen, Brewster, Coakley, Cox, W. T., Curtis, Dinwiddie, Goodale, Green, J. C., Harley, Hill, G. H., Holtzendorff, Paden, Purser, D. I., Tingley, Tuttle, Williams, J. K., Williams, W. B., Wilson, H. B., The Commandant.

STUDENT GOVERNMENT:

Goodale, *Chairman*; Armstrong, Lane, Marshall, Metz, Owings, The Commandant.

STUDENT ORGANIZATIONS (Including Honor Societies):

Schirmer, *Chairman*; Brock, Cloaninger, Collings, Freeman, Goodale, Marshall, Sheldon, Vickery.

STUDENT WELFARE:

Lane, *Chairman*; Aull, Bell, Blair, Coker, Cook, J. C., Hill, G. H., Hunter, H. L., Jones, R. M., LaMaster, Mauldin, Metz, Sams, Washington.

UNIFORMS:

Littlejohn, J. C., *Chairman*; Brown, A. J., Cannon, Hill, G. H., Lathem, The Commandant, Senior ROTC Quartermaster Instructor, Douthit, Trustee Member.

VISITORS:

Woodward, *Chairman*; Califf, Goodale, Hill, G. H., Hill, H. H., Holtzendorff, Sams, Miss Shanklin, Simons, Watson, D. J., The Commandant.

Y. M. C. A.:

Martin, *Chairman*; R. F. Poole, President, *ex officio*; Aull, Cloaninger, Earle, Goodale, Green, J. C., Hunter, J. E., Kinard, Littlejohn, J. C., McGinty, Douthit, J. B., Trustee Member; Young, T. B., Trustee Member; Folger, T. A., Alumni Member; Henry, J. A., Alumni Member; -----, President Y. M. C. A., *ex officio*; Holtzendorff, P. B., Jr., General Secretary Y. M. C. A., *ex officio*.

*OTHER OFFICERS AND ASSISTANTS

JACOB HENRY WOODWARD	Assistant to the President
VIRGINIA EARLE SHANKLIN, A.B.	Secretary to the President
KENNETH NOTLEY VICKERY, B.S.	Director of Admissions
REGINALD JUSTIN BERRY, B.S.	IBM Consultant and Supervisor
HELEN COKER, A.B.	Recorder
EARLE BAKER SCOTT, B.S.	Assistant to the Registrar
NETTIE C. WOODLE	Transcript Clerk
JOHN GOODMAN, B.S., A.B. in L.S.	Assistant Librarian
JAMES MITCHELL REAMES, B.A., B.S. in L.S.	Reference Librarian
MARGY ALBERTA HARTKOPF, A.B.	Acquisition Librarian
SARAH SHIRLEY LANDER, A.B., B.S. in L.S.	Gov't. Document Librarian
ANGELINA HALL WAY, A.B., B.S. in L.S.	Circulation Librarian
MARY C. STEVENSON, A.B.	Cataloger
SIDELLE ELLIS, B.S.	Bibliographer and Special Aid to Students
FAYE MITCHELL, A.B.	Assistant to Circulation Librarian
EDWARD L. B. OSBORNE, B.S.	Director, News Bureau
GRAHAM HAMILTON HILL	Assistant Business Manager
VIRGINIA POOLE, A.B.	Assistant to the Business Manager
KENNEY R. HELTON	Internal Auditor, Business Manager's Office
HENRY HUGHES HILL, JR., B.S.	Manager, Housing Project
TRESCOTT NEWTON HINTON, B.A.	Assistant Bookkeeper
JOSEPH SHELOR WALKER, B.S.	Assistant Bookkeeper
HELEN MORRISON	Assistant to the Treasurer
RUSSELL B. SMITH, Lt. Col., U. S. Army	Adjutant
HENRY W. RIMMER, Master Sergeant, U. S. Army	Sergeant Major
JAMES L. ZORENS, Master Sergeant, U. S. Army	Disciplinary Sergeant
IRENE JULIAN, R.N.	Director of Nurses
MYRTLE DEAN	X-Ray and Laboratory Technician
GLADYS MITCHELL, R.N.	Clinical Supervisor
LOIS WRIGHT, R.N.	Bedside Supervisor
DAVID JOSEPH WATSON, B.S.	Supt. of Buildings and Grounds
WILLIAM ERNEST MCGUIRE	Asst. Supt. of Buildings and Grounds
JAMES G. LINDSAY	Mess Officer
FRED LEONARD ZINK, JR.	Assistant Mess Officer
MARGARET C. COCHRAN, B.S.	Dietitian
ALDRICH A. ATKINSON, B.S.	Assistant to Mess Officer
PRESTON BROOKS HOLTZENDORFF, JR., LL.B.	General Secretary, Y.M.C.A.
JOHN ROY COOPER, B.S., M.A.	Associate Secretary, Y.M.C.A.
ROBERT EMMET GRIBBIN, JR., B.A., S.T.B.	Rector, Episcopal Church
SYDNEY J. L. CROUCH, B.D. Th.D.	Pastor, Presbyterian Church
ELLIOTT WANNAMAKER HARDIN, A.B., B.D.	Pastor, Methodist Church
JOHN M. DONELON, B.A.	Pastor, St. Andrews Catholic Church
JAMES L. SPANGENBERG, A.B., B.D.	Minister to Baptist Students

*List of other officers and assistants compiled October 1, 1948.

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART II

Information

PART II—INFORMATION

GENERAL INFORMATION

Clemson is a land-grant college, a state institution, and one of the A. and M. colleges which emphasizes agriculture and mechanical industries. Clemson is fully accredited by the Southern Association of Colleges and Secondary Schools.

The twenty-eight curricula under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles form a background of training for the hundreds of occupations in which Clemson graduates engage. In addition to the training for a specific occupation, each curriculum is broadened to include fundamental training in the occupational area as well as the worthwhile values of general education. Although the College is organized on the university plan of various schools, it retains its entity through the inter-relationships of schools and departments in providing a well-balanced educational program.

The enrollment of Clemson has grown from 446 students in the opening of the college in 1893 to a pre-war peak of 2,381 and a current enrollment of 3,360 for the first semester, 1949-1950. During this period 27,920 students have attended Clemson and of this number 8,560 have been awarded the bachelors degree.

REQUIREMENTS FOR ADMISSION

Entrance Requirements. The requirements for entrance to Clemson include graduation from an accredited high school with at least sixteen units; of the units presented for admission, at least three must be in English, one and one-half in algebra, one in plane geometry, and one in history.

Students who cannot fulfill the requirements outlined above may be considered for admission as follows:

(1) Applicants who have qualified for a South Carolina High School Certificate by examination are given very careful consideration. The final decision is dependent upon the quantity and

quality of such work as has been completed in high school as well as upon the fact that the applicant has qualified for the certificate.

(2) Mature students who cannot meet the formal requirements indicated above but who have an adequate educational background for scholastic work in college may qualify for admission by passing the entrance examinations. Further information will be furnished on request.

Application Blanks. Blanks to be used in applying for admission may be obtained from the Registrar, Clemson College, Clemson, South Carolina.

Placement Tests. Placement tests, required of all students, are given within a day or two after matriculation. The placement tests consist of examinations on basic information in mathematics and English. The purpose in giving the tests is to determine which students are in need of review courses in mathematics and English before attempting college courses in these important subjects. It is in the interest of the student that he is required to take such a review course if he does not make a qualifying score on the placement test. Such students may begin taking their other freshman subjects, but will postpone freshman mathematics, English, or both, until after they complete satisfactorily the review course or courses required. All new students will be required to take the placement tests, but those who have previously completed college courses in mathematics and English will not be required to take the review courses in these subjects.

Admission to Advanced Standing. Work that has been completed in other colleges will be carefully considered and evaluated in terms of equivalent courses in the curriculum at Clemson selected by the student. The applicant must present for consideration: (a) a statement of honorable dismissal from the institution last attended, (b) an official transcript of his record, including entrance credits and (c) an official statement that he is eligible to return to the institution last attended. College credits given by transfer are provisional and may be cancelled at any time if the student's work is unsatisfactory. A student coming from another institution must spend at least one regular session in the College before he is eligible to apply for a degree.

Matriculation. Students upon arrival at the College at the opening of the session must report at once to the Registrar's Office. New students will be directed in the procedure necessary to complete their enrollment. A student's matriculation with the College is equivalent to his pledge to conform to the rules of the institution. Any admission gained or matriculation made irregularly is subject to cancellation.

EXPENSES

Settlement of College Fees. The Treasurer of the College is the fiscal officer and all transactions relating to payments must be conducted through him. The entrance payment includes the full cost of uniform plus fees and living expenses for the first quarter and must be made before a student can be assigned to a room in barracks or permitted to begin work. Other payments are due as indicated. Remittances should be made in cash, money order, cashier's check, or by local check made payable to A. J. Brown, Treasurer. All remittances made by mail must be addressed to: The Treasurer, Clemson College, Clemson, South Carolina. A personal check which is given in payment of dues and is returned by the bank unpaid automatically cancels a student's reservation and automatically drops from class rolls a student who is in school.

Expenses. The cost to South Carolina barracks students for board, laundry, room, all fees, and tuition will amount to \$527.00 for the 1949-1950 session. Students from other states pay an additional \$170.00. The State Law requires that all non-resident students pay the out-of-state tuition. The bona fide residence of the parent, or legal guardian, determines the residence of the student. The college reserves the right to adjust expenses to current costs.

In addition to the expenses indicated above, each freshman cadet will pay to the College Treasurer the cost of the uniform. For the 1949-1950 session the cost of the uniform was \$116.20.

The 1949-1950 payments for regular cadets, including room, board, laundry, all fees, tuition, and uniform are indicated below.

	South Carolina	Non-Resident
Payments Due	Students	Students
At entrance	*\$247.95	*\$290.45
November 9	131.75	174.25
February 2	131.75	174.25
March 30	131.75	174.25

* Includes \$116.20 for freshman uniform.

The payments for room, board, and laundry, for qualified non-ROTC veterans staying in the barracks are given below:

Payments Due	Qualified Veterans in Barracks
At Entrance	\$85.60
November 9	85.60
February 2	85.60
March 30	85.60

For veterans qualified for benefits under the G. I. Bill or Veteran's Vocational Rehabilitation, the Veterans Administration pays tuition fees and the costs of necessary books and supplies. The veteran pays his own living expenses but the subsistence checks to be received by the veteran will more than reimburse him for the cost of living in the barracks at Clemson.

Information concerning payments for Day Cadets will be furnished on request.

Books and Supplies. The cost of books is not included in the figures given above. Freshman books and supplies cost approximately \$40.00 at the beginning of the regular session. For veterans, qualified for benefits under the G. I. Bill or Veterans Vocational Rehabilitation, books and educational supplies will be issued, the cost to be paid by the Veterans Administration.

Uniforms. Clemson cadets are wearing a distinctive gray uniform of a design and material similar to that worn in prewar days. The garments required are: 1 gray service coat, 2 gray service trousers, 2 service caps, 1 blue mackinaw, 1 web waist belt, 1 coat belt, 6 gray cotton shirts, and 1 raincoat. Insignia are purchased by the individual in addition to these major items.

After the first year, the cadets will be required to purchase only needed articles. Based on prior usage factors, the minimum requirements for each successive year will be \$10.80.

In this connection, parents are advised that those students who are successful in entering ROTC receive a substantial amount from the United States government in the form of commutation of uniform; specifically, \$25.00 each year for the Freshman and Sophomore years and \$90.00 for the Junior and Senior years combined. These amounts may vary slightly from year to year.

Refunds. No refunds will be made on Tuition and Fees other than living expenses after five weeks attendance during the semester. Refunds for periods of attendance during the semester of less than five weeks will be based upon a charge of 20% for less than two weeks, 40% between two and three weeks, 60% between three and four weeks and 80% between four and five weeks.

Living expense items will be refunded on a prorata basis, holidays excepted, for periods unused in excess of two weeks.

Lost or Damaged Articles:

The College will not be liable for articles lost or stolen in the barracks.

The College will not be liable for lost or damaged laundry unless reported within two days after the date upon which the laundry was due to be delivered, and then not more than the actual depreciated value of such articles as have been lost or damaged.

Student Banking Accounts. For the convenience of students the College operates a banking department in the Treasurer's Office where money can be deposited and withdrawn as the occasion may demand. This service is purely local. Students are urged to deposit their money in the bank and not to keep it in their rooms.

Books and Supplies. Books and supplies may be purchased at the local book store.

Each student will be required to own his textbooks and necessary equipment. All students shall submit their textbooks and other equipment for inspection at such times as are ordered.

Optional Expenses. It is not possible to give an estimate of a student's expenditures for such amusements as dancing, moving pictures, etc. This depends largely upon the disposition of the young man. The College endeavors to reduce to a minimum the temptation to spend money needlessly, but the authorities cannot be responsible for a student's private expenditures. This must be a matter between him and his parents.

Transcripts. Official transcripts of scholastic records are issued on request. One transcript is furnished free; additional copies are issued for one dollar each. Remittances for transcripts should be made payable to The Treasurer, Clemson College, but should accompany transcript requests and should be mailed to The Registrar.

Student Aid. A number of young men secure positions as waiters in the mess hall, for which service they are paid at the rate of about fifteen dollars a month. These positions are filled by the Mess Officer, to whom all correspondence should be addressed.

FINANCIAL ASSISTANCE

The College is in need of funds to lend worthy students. Donations for this or other purposes may be made to the Board of Trustees of Clemson College, or to the Trustees of the Clemson Alumni Foundation. The President of the College or the Secretary of the boards named above will be glad to communicate with any person who is interested in establishing such a fund.

Sources of financial assistance at Clemson are listed below:

The William Wilson Finley Loan Fund. The sum of \$1,000 has been deposited with the College to be used as a loan fund to students living in counties traversed by the Southern Railway or the Blue Ridge Railway.

The George Cherry Foundation. Mrs. Mary Cherry Doyle has donated \$1,000 to aid worthy and needy students from Oconee County and that part of Anderson County including Pendleton. This fund is not available for first-year students.

Clemson Student Loan Association Fund. A number of interested teachers, officers, alumni, and friends of Clemson College have contributed \$2,500 to be loaned to worthy Clemson students.

The Wade Stackhouse Loan Fund. A gift of \$20,000 from Dr. Wade Stackhouse of Dillon, whose father, the late Hugh Milton Stackhouse, was a trustee of Clemson has been deposited with the College. The fund is designed to furnish assistance through loans to ambitious Clemson graduates who give promise of becoming leaders in research.

Daniel Memorial Loan Fund. Interest on \$10,000 given by Daniel Construction Company as a memorial to the late James Fleming Daniel and Fred Adams Daniel, father and brother respectively, of the officers of the corporation.

The Alexander P. Anderson and the Lydia Anderson Fellowship. Mr. and Mrs. Anderson have given to the Clemson Agricultural College the sum of \$12,500 for the purpose of establishing a fellowship fund. The income from this trust fund is to be used for the purpose of awarding a scholarship or fellowship to one or more Clemson graduates for advanced work in biological sciences including bacteriology and entomology. The scholarship is to be awarded annually by the faculty of the Clemson Agricultural College to an outstanding student. The name of the beneficiary is reported to the Board of Trustees, and an accounting of the funds by the Treasurer of the College is made annually.

The Sears Roebuck Agricultural Foundation has made funds available for freshman agricultural scholarships at Clemson for the past several years. There were twenty one-hundred-dollar Sears Roebuck Scholarships available for 1949-1950 for freshmen who took the agricultural course. The scholarships are awarded on the basis of a competitive examination. Further information concerning these awards may be secured from Dr. H. P. Cooper, Dean, School of Agriculture, Clemson College, Clemson, South Carolina.

Warwick Chemical Foundation in Memory of Manfred Caranci. The sum of \$3,000 to be held as part of the general capital endowment funds and the income to be used from time to

time as the governing board shall from time to time designate, primarily for scholarships to encourage education and research in chemistry and to enable worthy students to pursue graduate studies in chemistry, and otherwise to promote chemical education.

Howard Carlisle Copeland Memorial Fund. The family of Howard Carlisle Copeland, who gave his life during the recent war, has set up a permanent memorial fund to be known as the Howard Carlisle Copeland Fund. Each year the interest from the fund shall be given to the boy who has made the greatest endeavor financially to stay in college. In 1948 this award was made to Purvis Hobson Bedenbaugh, Jr. of Leesville, South Carolina.

Ben and Kitty Gossett Scholarship Fund. A trust fund of \$10,000 administered by the President of the College and Trustees of the Clemson College Foundation, the interest from which is available for scholarships. First consideration in awarding these scholarships is to be given to young men whose families are employed in the textile mills of South Carolina.

BUILDINGS AND GROUNDS

Buildings. Tillman Hall houses the offices of the President, the Registrar, the Commandant, the Treasurer, the Business Manager, the Professor of Military Science and Tactics, and the Dean of the School of Arts and Sciences. This building also has over twenty classrooms. At the north end of the building is Memorial Hall, the College Auditorium, with a seating capacity of about eighteen hundred.

The Library Building, located in approximately the center of the campus, houses the Main Library, the Agricultural Reference Department, the Museum, the Recreational Reading Room, Radio Room and the Music Room. The Social Science Department uses four class rooms on the second floor, and the Mailing Room for the Experiment Station and Extension Departments is on the basement floor.

The Library contains 115,000 bound volumes, consisting of books, periodicals and U. S. Government Publications. In addition to the bound volumes the Library contains 787,795 unbound Federal, State, Experiment Station and Extension Service publications; 7,106 unbound periodicals and 40,232 pamphlets and clippings in the vertical subject file. A grant from the General Education Board is enabling the Library to greatly strengthen its holdings of scientific and technical periodicals, journals and books.

The Museum is located on the balcony of the Main Reading Room. It contains many interesting items—Indian Relics, mounted birds and animals, and World War I and II relics, all of which were gifts from friends and alumni.

The Recreational Reading Room is located in the basement of the Library Building, is beautifully and comfortably furnished, and contains many popular and attractive books, current magazines, and daily newspapers.

The Music Room, also located on the basement floor, contains a Carnegie Collection of 1,285 recordings of classical and semi-classical music, an RCA record player, along with music scores and other books relating to music.

The Library Staff consists of ten professionally trained Librarians and several other non-professional assistants and clerical workers. A trained Librarian is always on duty to assist faculty and students.

The Library is open daily from 8 a. m. until 10 p. m., Monday through Friday, from 8 a. m. to 6 p. m. Saturdays, and from 2 p. m. to 10 p. m. Sundays, with the exception of holidays.

The instructional work of the institution is maintained largely in the departmental buildings. The Schools of Agriculture, Engineering, Textiles, Education, and Chemistry have individual buildings especially designed for their purposes. The School of Arts and Sciences is located in the Administration

Building with additional classrooms in the Library and the Physics Building. Certain laboratory work is conducted at the greenhouses, live stock barns, poultry plant, veterinary hospital, and other buildings on the college farm.

The cadet barracks consist of nine large brick buildings—five of which were constructed since 1935 and three temporary wooden structures erected during 1946. All barracks are steam-heated, electrically-lighted, and supplied with hot and cold water. The one thousand and twenty-six rooms in the barracks are furnished with single-width iron beds and other necessary equipment.

The Hospital, located about a quarter of a mile from the barracks, is a wooden building, especially designed for the purpose. The equipment includes a Victor X-ray machine, a new Burdick ultra-violet ray machine, and a sorensen machine of the latest design for ear, eye, nose, and throat treatments.

The Y. M. C. A. building is a four-story structure equipped with club rooms, lounge rooms, game rooms, and has in addition, thirty rooms available for permanent roomers, guests, and transients. Some of these rooms are reserved for members of the Extension Department and other visitors and guests, and are equipped with connecting or private baths. Having an auditorium, gymnasium, and swimming pool, the YMCA building is admirably fitted to serve as a center of social activities and voluntary religious work. Two auditoriums equipped with heating and cooling systems provide accommodations for numerous conferences, especially during the summer months when fewer students are in school.

The Physical Education Building consists of a central office and dormitory section, a field house, and a gymnasium.

The Laundry, which is operated exclusively for the students, is a brick building, equipped with improved modern machinery.

Fort Hill, the former home of John C. Calhoun, is located on the Clemson campus. In accordance with the provisions of

Mr. Clemson's will, this residence has been made a shrine in honor of Mr. Calhoun. Several pieces of furniture and other interesting relics, formerly the property of Mr. Calhoun, are carefully preserved in this home, where they may be seen by visitors to the college.

Grounds. The college grounds comprise about 1,645 acres, including the campus, the farm, and the Experiment Station grounds. The two-hundred acre campus is laid out in walks, drives, and lawns, and is shaded by a beautiful grove of native forest trees.

LIVING CONDITIONS

At Clemson cadets live in barracks under military discipline. A cadet must at all times be present or accounted for. The barracks or dormitories are divided into "halls" for military purposes, a company being assigned to a hall under the supervision of cadet officers.

Cadet officers remain on duty both day and night at the guard room, in which is located a long-distance telephone with twenty-four hour service.

Each student room is equipped with necessary furniture. The beds are single width. Bed linen, bed covers, pillows, and towels must be furnished by the students. All students are required to provide themselves with two laundry bags. These laundry bags should be not less than 20 by 30 inches.

The dining hall, or mess hall, is located in Barracks No. 1. It is equipped and is under the supervision of the mess officer. The kitchen and cold storage plant are among the best in the South. All students living in the barracks eat in the dining hall.

Three hundred and forty-eight houses for veteran students with families are also provided. These houses are the prefabricated type and are equipped with space heater, cooking range, hot water heater and ice boxes. Furniture for the homes is available at a low rental rate. Applications should be submitted to the Clemson Housing Project, located in the Administration Building.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

All cadets of the college are required to take military training. ROTC is compulsory for the first two years for all physically qualified students, unless they have completed the basic course at other schools or are veterans enrolled under Public Laws 16 or 346. Qualified veterans of World War II who are not in the Cadet Corps are excused from all military functions. They may elect to become members of the ROTC with permission of the PMS&T, in which event they become members of the Clemson Cadet Corps.

The Department of the Air Force and the Department of the Army maintain Senior Division Units of the ROTC at Clemson. The institution is classified by the Department of the Air Force and the Department of the Army as a Military College. The mission of the Reserve Officers' Training Corps is to produce junior officers who have qualities of leadership and attributes essential to their progressive and continued development as officers in the Air Force and Army of the United States. The Military Department at Clemson places emphasis upon leadership to assist Clemson men in meeting any situation in life with success and honor.

The Department of the Air Force provides a course in Aircraft Maintenance Engineering. The Department of the Army maintains six branches at Clemson as follows: Armored Cavalry, Infantry, Ordnance Department, Corps of Engineers, Quartermaster Corps and Signal Corps.

The ROTC at Clemson consists of two parts: the Basic Course (Freshman and Sophomore Military or Air Science) and the Advanced Course (Junior and Senior Military or Air Science). The Basic Course consists of two hours of scheduled classroom work, two hours of drill and one hour of inspection per week. The Advanced Course consists of four hours of scheduled classroom work, two hours of drill and one hour of inspection per week. For each semester Basic ROTC training successfully completed, the student receives one credit hour and for each semester Advanced ROTC successfully completed, the student receives three credit

hours, all of which are counted as approved credits in the curricula toward a degree.

The first year Basic Course is common to both the Army and the Air Force. Before entering the second year Basic Course, the student must decide whether he wishes to enroll in Army ROTC or Air Force ROTC. The student is permitted to select the ROTC course he desires consistent with his major course and established quotas for each service.

For enrollment in a particular Army branch, the student must be majoring in one of the major courses indicated below:

Armored Cavalry	—Any major course.
Corps of Engineers	—Any Engineering course, Architecture, or any major course leading to a scientific degree.
Infantry	—Any major course.
Ordnance Department	—Any Engineering course or any major course leading to a scientific degree.
Quartermaster Corps	—Any major course.
Signal Corps	—Any Engineering course, Industrial Physics, Arts and Sciences, or any major course leading to a scientific degree.

For enrollment in Aircraft Maintenance Engineering, it is a policy to select those students majoring in an Engineering course.

For all practical purposes the student will, upon completion of Sophomore ROTC, select the same branch in the Advanced course as he pursued during the Sophomore year.

Summer Camp. Members of the Advanced Course are required to attend camp one summer, normally between the junior and senior years. All students going to camp receive mileage for the round trip at the rate of five cents per mile, and are messed, housed, uniformed, and given medical attention at government expense while at the camp. The camp is of six weeks duration and it begins about June 20 each year.

The military training at camp consists of practical and theoretical instruction of a specialized branch-type, emphasizing

field work and special equipment that cannot readily be housed or maintained on the campus. In addition to this training, the student has an opportunity to participate in healthy outdoor sports of all kinds and in competition with young men from other colleges. A religious program is conducted at each camp.

Distinguished Military Graduates. Both the Army and the Air Force have a program whereby outstanding ROTC students are eligible upon graduation for direct appointment as commissioned officers in the regular service. At the completion of their Junior ROTC, students who have creditable grades in their academic subjects and Military Science, and possess outstanding qualities of leadership, character and aptitude for military service, are designated, with the approval of the College President, as Distinguished Military Students by their PMS&T or PAS&T. Distinguished Military Students who continue their outstanding record during their final year are designated as Distinguished Military Graduates. A Distinguished Military Graduate may apply for an appointment as a second Lieutenant in the Regular Army or the Regular Air Force.

Enrollment and Continued Requirements. The general requirements for enrollment and continuance in the ROTC are that the student be a citizen of the United States, physically qualified as prescribed by the War Department, accepted by the institution as a regularly enrolled student, be not less than fourteen years of age and must not have reached twenty-three years of age at the time of enrollment except for veterans of World War II enrolling at college prior to January 1, 1950; in addition, the student must successfully complete such general survey screening tests as are given to determine eligibility for admittance to the basic and advanced courses and agree in writing upon admission to the Advanced ROTC course to complete the course of instruction offered unless released by the War Department. Should a student fail to continue the prescribed course while a student at Clemson College, he may be required to refund to the Government any sums previously paid. The contract will expire if the student's attendance at school is interrupted for more than two calendar years. All students formally enrolled in the Advanced Course must not have reached twenty-seven years of age at the time of enrollment.

Emoluments. Currently, commutation in lieu of uniforms is paid to Basic ROTC students at the rate of \$25.00 per year, not to exceed two years, and to Advanced ROTC students at the rate of \$90.00 for the Junior and Senior years combined. In addition, Advance course students receive commutation in lieu of subsistence at the rate of ninety cents per day for a total of not to exceed 570 days, and the pay of a private (\$75.00 per month) while at summer camp. A student who enters the ROTC as a freshman and continues until his graduation will have drawn from the government over \$750.00 at the present rate of commutation.

ROTC subsistence allowance is paid to veterans who are enrolled in the Advanced Course in addition to subsistence allowance under Section 400(b), Serviceman's Readjustment Act of 1944.

Band. The Corps of Cadets has a band composed of about one hundred members; it is organized as a cadet company. Both the War Department and the college have provided instruments; however, potential members of the Band are encouraged to bring their instruments to college with them. The training of the band is under the supervision of a competent director.

Rifle Team. A rifle team chosen through individual competition is selected to represent the ROTC in Hearst Matches, Army Matches, Air Force Matches, and in matches with other colleges and universities throughout the country. Shoulder-to-shoulder matches are fired each year. The firing is conducted with modern small-bore target rifles on an indoor range.

STUDENT HEALTH SERVICE

The Surgeon, who has complete charge of the hospital, is one of the regular officers of the College, and his special duty is to look after the health of the students.

At a specified time every day, students who desire may consult the Surgeon, and those who are admitted to the hospital are cared for by experienced nurses in the college hospital. In case of necessity students are allowed to consult the Surgeon at any time, or to send for him in an emergency.

The Surgeon cannot undertake to notify parents every time a student reports to the hospital for medicine, or for rest on account of some slight complaint. However, they may rest assured that they will be notified at once of sickness of any consequence.

The medical fee paid by each student is intended to cover all ordinary cases of sickness and their treatment. It is not intended to cover fees of doctors or specialists called into consultation, for performing operations, for special nurses, or for any medical or surgical attentions performed away from the College; and the College does not assume any responsibility for accidents that happen away from the College. Such expenses must be borne by the parents. The right of the College Surgeon, with the approval of the President of the College, to incur in behalf of any student under his care any of these extra services is hereby expressly reserved.

RELIGIOUS INFLUENCES

Clemson cooperates with the various churches and the Y. M. C. A. in the religious training of its students. The Y. M. C. A., located on the campus, provides accommodations for all denominational groups not having church homes on the campus and is used a great deal by campus church groups, often because it is so convenient and accessible. Numerous union services and cooperative meetings of young people's societies of the campus churches, of the Y. M. C. A. Councils, and Cabinet afford a united front for religious services.

Six denominations: Baptist, Episcopal, Lutheran, Methodist, Presbyterian, and Roman Catholic, have erected churches in the community. Arrangements are made for services for students of other denominations. Sunday schools and young people's church societies are maintained by the local churches. Attendance upon the services of these organizations is voluntary.

Courses in Religion, which are credited as free electives, are offered. This work is not financed by the College. For information regarding these courses see the description of courses.

HISTORICAL STATEMENT

In 1889, the General Assembly of South Carolina accepted the bequest of Thomas G. Clemson, which set aside the bulk of the Clemson estate for the founding of a scientific and technical college. The institution was also established under the Morrill Land-Grant Act passed by the National Congress in 1862. Clemson College, therefore, is the Agricultural and Mechanical College of South Carolina and is a member of the national system of Land-Grant Colleges and Universities.

The nature of the institution is outlined in Mr. Clemson's will and its acceptance by the legislature.

The will in part reads:

"Feeling a great sympathy for the farmers of this State, and the difficulties with which they have to contend in their efforts to establish the business of agriculture upon a proper basis, and believing that there can be no permanent improvement in agriculture without a knowledge of those sciences which pertain particularly thereto, I have determined to devote the bulk of my property to the establishment of an Agricultural College upon the Fort Hill Place. My purpose is to establish an Agricultural College which will afford useful information to the farmers and mechanics; therefore it should afford thorough instruction in agriculture and the natural sciences connected therewith; it should combine, if practicable, physical with intellectual education; and should be a high seminary of learning in which the graduate of the common schools can commence, pursue and finish a course of studies terminating in thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture. . . . but to always bear in mind that the benefits herein sought to be bestowed are intended to benefit agriculture and mechanical industries. . . . I trust I do not exaggerate the importance of such an institution for developing the material resources of the State, by affording its youth the advantages of scientific culture.

"The desire to establish such a school or college, as I have provided for in my said last will and testament, has existed with me for many years past, and many years ago I determined

to devote the bulk of my property to the establishment of an Agricultural School or College. To accomplish this purpose is now the one great desire of my life."

This will gave all that part of the Fort Hill Estate inherited by Mrs. Clemson from her mother and the bulk of Mr. Clemson's other real and personal property. The latter amounted to a sum, which, considering the purchasing power at the time, probably has been only a few times exceeded in a public benefaction in South Carolina.

A Board of Trustees of seven members was provided for: R. W. Simpson, D. K. Norris, M. L. Donaldson, R. E. Bowen, B. R. Tillman, J. E. Wannamaker, and J. E. Bradley, who with those chosen by the General Assembly, should constitute a governing board in case the State accepted the bequest; but, who, in case the State declined the bequest, should alone constitute a governing board for a private institution.

These seven trustees, along with other friends of the movement, and the agricultural groups in the State developed and organized a public opinion favorable to the plan.

In November, 1889, the General Assembly of South Carolina accepted the terms of the will, and, following the decision of the United States Supreme Court to uphold the will, the State of South Carolina and the full Board of Trustees proceeded to convert the dream of Thomas G. Clemson into the reality of Clemson College.

The College was formally opened in July, 1893, with an enrollment of 446 students. The first graduating exercises were held in December, 1896, with a graduating class numbering thirty-seven—fifteen in the agricultural courses and twenty-two in the engineering courses.

LOCATION

The College is located on the Fort Hill homestead of John C. Calhoun, in the foothills of the Blue Ridge Mountains. It has an elevation of 800 feet above sea level and commands an excellent view of the mountains to the north and west, some of which attain an altitude of over five thousand feet.

The College is located at Clemson, S. C., on the main line of the Southern Railway, and four miles from Pendleton, on the Blue Ridge Railway. State Highways numbers 13 and 28 pass through Clemson, and daily bus service at regular intervals is available.

CLEMSON COLLEGE ALUMNI CORPORATION

The Alumni Corporation has established a permanent office on the campus. The office is in charge of a secretary, who is elected by the Board of Directors of the Corporation. The Clemson office is a clearing house for all matters concerning the alumni. In addition to keeping accurate records of addresses and information concerning alumni, the Corporation has established at the Clemson headquarters a bureau for repairing Clemson class rings, and for securing duplicates of these rings.

The Corporation holds its regular annual meeting at the College on Saturday of Commencement. At this meeting all officers are elected. The Secretary is elected by the Board of Directors which is in turn responsible to the general Corporation for the conduct of its business. The purpose of the Alumni Corporation is to serve the College and the alumni in every possible way. All correspondence regarding its affairs is conducted through the Clemson office.

Graduates and former students are requested to keep the Alumni Office informed as to change of address, occupation, and other matters that will be of interest to those in charge of Alumni Records and mailing lists.

The Alumni Corporation is now raising a fund to be used in educating the sons and daughters of Clemson men who were killed in World War II. The fund now stands at approximately fifty-thousand dollars. Anyone interested in contributing to this fund should contact the Alumni Secretary, Clemson College, Clemson, South Carolina.

The Alumni Corporation is also raising a fund as an endowment for the College, known as the Clemson College Foundation. This fund will be used for the benefit of Clemson College, its students, faculty and alumni.

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART III

Student Life And Activities

PART III—STUDENT LIFE AND ACTIVITIES

CADET MILITARY ORGANIZATION

Clemson College is operated as a military school. The purpose of the military in the college is to instill the soldierly qualities of loyalty, obedience, courteousness, punctuality, self-control, and courage.

The military system places every student on an equal standing. All cadets wear the uniform, live under the same conditions, and are subject to the same privileges and restrictions.

The military system assists the students in pursuit of a college education. Military training gives to Clemson graduates advantages that are important factors in their future progress and success.

CLUBS AND SOCIETIES

Honor Fraternities. Honor scholarship organizations, including Tau Beta Pi, Sigma Tau Epsilon, Phi Psi, Alpha Zeta, Alpha Tau Alpha, Iota Lambda Sigma, Alpha Chi Sigma, Sigma Pi Sigma, and the Minaret Club, give recognition to superior work done by Engineering, Arts and Sciences, Textile, Agricultural, Agricultural Education, Industrial Education, Chemistry, Physics, and Architecture students respectively.

The Phi Kappa Phi, honor society, and the Phi Eta Sigma fraternity both have chapters at Clemson. The former is an all-college honor organization composed of members of the senior class. The latter is a freshman organization with members selected from students who attain a high scholastic standing during the first semester of the freshman year.

The military activities of the cadet officers of the corps are recognized in membership in the Society of Scabbard and Blade, a national military honor fraternity. The Pershing Rifles, a national honorary military organization, also has a chapter at Clemson.

The Blue Key, a national fraternity based upon leadership, has a chapter at Clemson, as does Alpha Phi Omega, a national fraternity for former Boy Scouts. The Tiger Brotherhood is a local organization at Clemson which stresses the qualities of leadership.

Student Clubs. Students majoring in various courses of instruction have organized clubs. Among such clubs are included the Agricultural Economics Society, the Dairy Club, the Horticultural Club, and Iota Epsilon (Industrial Education) and the Animal Husbandry Club.

The Calhoun Forensic Society and the Strawberry Leaf promote literary activities among the students; and the Gamma Alpha Mu recognizes superior journalistic service rendered by students.

The Y. M. C. A. and the Clemson Churches are recognized through organizations of the Baptist Student Union, Brandeis Club, Canterbury Club, Newman Club, Presbyterian Students Association, Wesley Foundation, Y. M. C. A. Cabinet, and the "Y" Council representing each of the four classes.

Engineering Societies. Outstanding students majoring in engineering courses are selected for membership in the Student Chapter of the American Institute of Electrical Engineers, American Society of Mechanical Engineers, American Society of Civil Engineers and the American Society of Agricultural Engineers.

Music Activities. The Clemson College Glee Club is composed of approximately sixty students under the musical leadership of the Director of Music. The organization performs the best in choral literature and makes appearances at various student functions on the campus. Students interested in the organization may become members by satisfactorily completing a simple audition. Previous experience and the ability to read music are not required.

In the spring of each year, the Glee Club makes a short tour of nearby institutions. Another highlight of the year is the participation by the Glee Club in a three hundred voice mixed choir of South Carolina College students in a performance with

the Southern Symphony Orchestra. This concert is given annually in Township Auditorium, Columbia, South Carolina.

The Senior Platoon. The Senior Platoon is a Fancy Drill unit composed of cadet officers of the Senior class. This Platoon was activated in 1931 for the purpose of increasing proficiency and developing pride among the cadet officers. Frequent exhibitions of fancy drill are given by this Platoon at football games and other celebrations and ceremonies.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Y. M. C. A. partakes of the nature of a small city Y. M. C. A. While it is recognized as a student association, the tremendous volume of community service undertaken in the building might easily qualify it as a community building. The Athletic Association has granted permission for the Y. M. C. A. to sponsor basketball and volley ball games in the Field House. Hundreds of basketball and volley ball games are participated in by students, Faculty, Campus children, and visitors from neighboring communities. Saturday morning games are sponsored for children of the community. A picture program is provided for boys and girls of the community as well as students and the swimming pool is available during the winter and summer months for campus children and visitors such as scout groups, 4-H groups, FFA and others. Social functions sponsored by the Y. M. C. A., or with the Y. M. C. A. cooperating, and Open House programs are almost daily occurrences in the club rooms, scout rooms, and cabinet rooms. It is here that many visiting groups are entertained with, and for, students and campus organizations. Evening Watch prayer group, forum groups, freshmen, sophomore, junior, and senior councils all cooperate with, and under, the leadership of the Y. M. C. A. senior cabinet to make possible a real spiritual and mental development in the lives of all the students. Sixty-two faculty members and others visited with students in their evening watch or forum meetings in barracks last year and many student leaders took part in these meetings.

The Y. M. C. A. has supervision of voluntary religious activities of the students and endeavors to contribute to the religious, social, and physical life of the college community.

There are two Vesper services in the Y. M. C. A. auditorium each Sunday. Usually 400 or more attend the afternoon Vesper and often 550 or 600 attend the evening Vesper. Outstanding speakers and many visiting deputation groups are supplemented by local speakers, ministers, and campus leaders. Many educational, news, and travel reels are shown for the students over the weekend. In recent years a number of outstanding speakers have returned to the campus. Included in this group have been many graduates of Clemson who have achieved distinction in the field of education, religion, industry, science, and agriculture.

The college swimming pool at Clemson is located in the Y. M. C. A. Swimming classes, life saving, and instructor's courses are given. Members of the freshman and varsity swimming teams train here and many company swimming meets are scheduled. The pool is heated throughout the winter months and it is filtered and chlorinated with electric equipment.

Intramural athletics are encouraged and sponsored by the Physical Education Department and the Y. M. C. A. All of the companies with military organization and athletic officers have teams in such sports as basketball, volleyball, swimming, baseball, and soccer. These competitive games receive hearty support from many students and afford an opportunity for active participation. Practically all of the students at Clemson participate in some form of recreation or an intramural sport. Quite a number take part in many intramural sports. Participation is voluntary, but the majority of the students take advantage of this opportunity for wholesome recreation and physical direction. A director and trained student leaders are provided by the YMCA and these cooperate with A & R officers and with interested veterans.

ATHLETICS

It is the policy of the College to sanction and encourage athletics so long as participation does not interfere with studies and other duties. Football, baseball, basketball, and track are the most popular sports.

The College is a member of the Southern Conference and of the South Carolina Inter-collegiate Athletic Association. In

order to participate in inter-collegiate athletics, the student must meet the requirements of the Southern Conference as well as the requirements of the College.

No member of an athletic team is eligible for a managerial position in any other branch of sport.

No team is allowed to leave the College grounds to participate in any match game unless accompanied by the authorized coach or other member of the faculty, who shall be responsible to the College for the conduct of the players while away.

No student is eligible to participate in an inter-collegiate contest who is away from the College without proper authority or without having complied with all the rules or orders issued by the President regarding such matters.

HONORS AND AWARDS

Trustees' Medal. The Board of Trustees has provided for a gold medal to be awarded annually at Commencement to the best speaker in the student body.

The medal was awarded in 1949 to Giles Floyd Lewis of Orlando, Florida.

Norris Medal. The following is from the will of the Hon. D. K. Norris, a life trustee of Clemson, who died in 1905:

"I give \$500 face value, Norris Cotton Mill stock . . . on condition the dividend thereon shall be applied annually to the purchase of a gold medal, to be known as the 'Norris Medal', to be awarded to the student of Clemson meriting the same at graduation, under such rules and conditions as may be prescribed by the said Board of Trustees, and which medal shall have engraved on it 'Honor habet onus' (Honor brings responsibility)."

In 1949 this medal was awarded to Edwin Hoffman Rhyne of Clemson, South Carolina.

R. W. Simpson Medal. A medal designated as the "R. W. Simpson Medal" is awarded annually to the best drilled cadet in the freshman, sophomore or junior class.

In 1949 the medal was awarded to John Holtzclaw James, Jr. of Cleveland, North Carolina.

Andrew Pickens Medal. An award designated as the Andrew Pickens Medal is awarded annually to the outstanding cadet in Military achievement, leadership, soldierly bearing and loyalty.

In 1949 this medal was awarded to John Allen Richbourg of Summerton, South Carolina.

Arnold R. Boyd English Honor Key. Arnold R. Boyd, '14, now a lawyer in New York, donates this Honor Key annually to the student in the graduating class who makes the best record in English during his college course.

In 1949 this award was given to Robert Franklin Wiggins of Mullins, South Carolina.

Architect's Medal. The South Carolina Chapter of the American Institute of Architects each year awards a medal to the outstanding junior or senior in Architecture.

In 1949 the medal was awarded to Phelps Herbert Bultman of Sumter, South Carolina.

Agricultural Certificates of Merit. Beginning with the session of 1914-1915 certificates of merit have at times been awarded to two farmers in South Carolina who have rendered distinguished service in the agricultural development of the State.

National Association of Cotton Manufacturers Medal. For several years this medal has been awarded to the outstanding graduate in Textile Engineering, both in February and in June.

In 1949 these awards were given to George Herman Ashley of Ware Shoals, South Carolina, and Harry Malone Miller of Chester, South Carolina.

Textron Scholarship. A cash award of \$500.00 to assist in covering school expenses during the senior year of an outstanding student in the School of Textiles. The Textron Scholarship is awarded to a textile student selected by the Dean and faculty of the School of Textiles on the basis of high academic achievement

and outstanding leadership qualifications for future application in the American textile industry.

The Scholarship was awarded to James Foster Cathcart of Bishopville, South Carolina, for the 1949-1950 session.

The American Association of Textile Chemists and Colorists Award. This award for the best work done in Textile Chemistry and Dyeing by a member of the graduating class was given in 1949 to Joseph Patrick Clancy of Lancaster, South Carolina.

Armed Forces Communications Association Medal. The Armed Forces Communications Association of Washington, D. C., sponsors annually an award to the outstanding student taking military training with communications or electronics as the major course.

In 1949 this medal was awarded to John Broadus Berry, Jr. of Avondale Estates, Georgia.

The Society of American Military Engineers Medal. The Society of American Military Engineers of Washington, D. C., sponsors annually an award to the outstanding cadet in the Corps of Engineers Advanced ROTC.

In 1949 this medal was awarded to Hugh McLeod Hardaway of Dillon, South Carolina.

Phi Psi Award. This award is made by the National Honor Council of the Phi Psi Textile Fraternity to the textile graduate who has attained the highest scholastic record in textile courses.

In 1949 this award was given to Harry Malone Miller of Chester, South Carolina.

Anderson Fellowship. This fellowship, providing the sum of \$400 annually for pursuing graduate study in agriculture, was awarded in 1949 to Ernest Lee Corley of Saluda, South Carolina.

Quartermaster Association Annual Awards. The Quartermaster Association, Washington, D. C., sponsors annual awards to the outstanding First Year Advanced Quartermaster Cadet and to the outstanding Second Year Advanced Quartermaster Cadet. The outstanding First Year Advanced Quartermaster Cadet re-

ceives a medal of appropriate design upon which is superimposed the insignia of the Quartermaster Association. The outstanding Second Year Advanced Quartermaster Cadet will be presented a scholastic key of similar design.

Candidates for the awards will be selected by the Professor of Military Science and Tactics and the Quartermaster ROTC Instructor.

In 1949 the outstanding cadet in Quartermaster First Year Advanced ROTC was Richard Neal Westmoreland of Winston-Salem, North Carolina.

In 1949 the outstanding cadet in Quartermaster Second Year Advanced ROTC was Charles Neal Still of Greenwood, South Carolina.

Ordinance Association Annual Award. The Ordnance Association, Washington, D. C., sponsors annually an award to the outstanding Second Year Advanced Ordnance Cadet. This cadet will be selected by the Professor of Military Science and the Ordnance ROTC Instructor.

In 1949 the outstanding cadet in Ordnance Second Year Advanced ROTC was William McDonald Goodman of Olanta, South Carolina.

James Lynah Merit Awards. Income from a fund established by Mr. James Lynah in memory of distinguished professors who were teaching at Clemson when the members of the Class of 1902 were undergraduates shall be used to grant prizes. A sum of money not to exceed the income shall be allotted equally to five young men out of each graduating class who in the opinion of the faculty meet the specific requirements.

The 1949 recipients of the awards of \$50 each were: The Mark Bernard Hardin prize in Chemistry to Crayton McCants Crawford of Greenville, South Carolina. The Charles Manning Furman prize in English to Phelps Herbert Bultman of Sumter, South Carolina.

The William Shannon Morrison prize in History to Edwin Hoffman Rhyne of Clemson, South Carolina. The Walter Merritt

Riggs prize in Electrical Engineering to Hugh Ellison McKinney of Greenville, South Carolina. The Augustus G. Shanklin prize in Military Science and Tactics to Walter Clyde Herron, Jr., of Anderson, South Carolina.

Class of 1902 Awards. In recognition of the distinguished teaching services of three professors who were on the College faculty at the time the Class of 1902 was at Clemson, and in memory of those of the class who have passed on, the members of the Class of 1902 have deposited with the Clemson College Foundation the three following funds of \$2,000.00 each, the income from these funds to be awarded annually.

The Williston Wightman Klugh award to a worthy, earnest undergraduate student of good moral code and personality who intends to make teaching his life work, selection to be made by the College.

The Rudolph Edward Lee award, to a worthy undergraduate student in Architecture, selected upon the recommendation of the faculty of the Department of Architecture after consideration of the student's grades, extracurricular activities, and those qualities that go toward making a successful professional architect.

The Samuel Maner Martin award, to a worthy undergraduate student taking mathematics as a major subject, selection to be made by the College.

Sears-Roebuck Award. An award of \$200 is given to the Sophomore who makes the highest scholastic average as a Freshman Sears-Roebuck Scholar.

In 1949 this award was given to Robert Melvin Prince, Jr. of Lynchburg, South Carolina.

The Borden Agricultural Scholarship. The Borden Company Foundation awards annually the sum of \$300 to the eligible Senior achieving the highest average grade on all college work preceding the Senior year. To be eligible for this award, the student must have included in his curricula two or more Dairy subjects.

In 1949 this award was given to Calvin Coolidge Taylor of Greenville, South Carolina.

Alpha Zeta Award. An annual award given to the sophomore in agriculture having the highest grade point ratio for the first three semesters.

In 1949 this award was given to Winston Hall Sibley of Greenville, South Carolina.

The Clark Lindsay McCaslan Award. The sum of \$1,000 has been deposited with the College to establish a fund in memory of Clark Lindsay McCaslan, a graduate of Clemson College in the class of 1908, and a pioneer in Agricultural Engineering. The income from the fund shall be given annually to the student in the Department of Agricultural Engineering who, in the opinion of the faculty, shall be deemed to be the most deserving.

In 1949 this award was given to Absalom West Snell of Ellore, South Carolina.

Danforth Fellowships. The Danforth Foundation of St. Louis awards fellowships each year to two agricultural students. One of these is given to an outstanding member of the Junior Class majoring in either Dairying, Animal Husbandry or Poultry Husbandry. The award amounts to \$180.00 and provides expenses incident to the attendance of the recipient at a two-weeks summer short course for training in salesmanship at the laboratories of the Ralston Purina Company in St. Louis and also for a two-weeks stay at the American Youth Foundation Leadership Training Camp at Shelby, Michigan.

The fellowship for 1949 was awarded to James Keith Price, of Gaffney, junior in Animal Husbandry.

The second Danforth fellowship amounting to \$50.00 is awarded to an outstanding freshman expecting to major in the animal science field. It provides for a two-weeks stay at the Leadership Camp at Shelby, Michigan—the same camp to which the recipient of the Junior award goes. This award for 1949 was received by David Mangum, of Spartanburg, freshman in Animal Husbandry.



**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART IV

Organization And Government

PART IV—ORGANIZATION AND GOVERNMENT

ADMINISTRATIVE ORGANIZATION

Board of Trustees. The government of the College is vested in a Board of thirteen members, six of whom are elected by the Legislature, and seven life and self-perpetuating under the Clemson will. The function of this Board is legislative and not executive. The Board determines the general policy of the College, makes the laws for its government, and directs the expenditure of its funds.

The President is the chief executive and administrative officer appointed by the Board of Trustees. He is the head of the College and is responsible for its satisfactory working and success.

The College is divided into schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles. A dean is at the head of each school and is responsible to the President for its conduct and success. The schools are comprised of departments. Each department is in charge of a professor who acts as its head. The President conducts all official business with each department through its dean.

The Faculty consists of all officers of instruction in the College. The voting members are the deans, professors, associate professors, and assistant professors.

The faculty meets once a month, or whenever called by the President, and is an advisory body to the President, on the instructional work of the College and such other business as he may bring before it.

The deans and directors of the various schools and departments meet weekly or when called by the President for consideration of matters affecting the welfare of the College. Departmental faculty meetings are held periodically.

Faculty Committees. In order to aid him in his executive duties and to carry on the instructional work of the College,

the President appoints committees from the faculty. To these are assigned certain specified lines of work and the committees are clothed with full authority.

MILITARY ORGANIZATION

The President. The President of the College shall have general command and government of the institution, watching over its administration, discipline, and instruction. He shall have authority to make rules from time to time, governing the granting of permits and furloughs to cadets; to inspect anything in a cadet's room or personal baggage; to suspend or modify these regulations, or to publish special regulations when he considers it necessary, which shall have the authority of the Board of Trustees until they shall act on the same. He shall prescribe the hours of study, drill, and recreation.

Commandant. The Commandant of Cadets, under the President, has supervision of the military administration and discipline of the Clemson Cadet Corps. He shall prescribe the order in which the furniture, bedding, books, clothing, and other equipment shall be arranged throughout the barracks and shall make an inspection of the rooms, furniture, arms, equipment and uniforms of the cadets at least once each week. He shall have the right to inspect anything in a student's room or personal baggage. He shall perform such other duties as are prescribed in the cadet regulations and other official orders of the institutional authorities. The Commandant shall be the officer assigned to the college by the Department of the Army as Professor of Military Science and Tactics (PMS&T).

Assistant Commandants. All Army and Air Force officers assigned to the college by their respective departments will be Assistant Commandants. They will perform such duties as may be prescribed for them by the President or Commandant.

Military Instruction. All students, excepting such students as are excused by the President, must take a minimum of three hours military instruction (drill and inspection) per week until they become seniors. All who pass the required physical examina-

tion must take the Basic ROTC course during their first two years of residence. Currently, students who are veterans of World War II are excused from Basic ROTC and activities of the Cadet Corps unless they enter the Advanced ROTC.

Cadet Officers and Non-commissioned Officers. The cadet officers and cadet non-commissioned officers are appointed by

the Commandant, subject to the approval of the President. When practicable they shall be appointed from members of the R. O. T. C. who have been most studious and soldier-like in the performance of their duties and most exemplary in their conduct. No cadet may decline any office to which he may be appointed.

As a rule the cadet officers shall be appointed from the senior class; the cadet non-commissioned officers, except corporals, from the junior class; and the corporals from the sophomore class.

Study Hours. Study hours are those parts of the day which are designated for study and shall be prescribed in orders. All hours at which a student has no classes or other duties may be used as study hours and students are expected to use vacant hours during the day as well as the assigned period after supper for study.

Furloughs. Every cadet is responsible for his class absences whether he is on a furlough or at the College. Restrictions regarding class absences are explained in the class attendance regulations. Any cadet who has been granted a furlough and who stays over the time stipulated, unless for sickness or other reason acceptable to the Commandant, will be administered a punishment not to exceed one month's arrest and twenty demerits. In case a cadet is prevented by sickness from returning at the stipulated time, he must submit a certificate from his attending physician. However, no such certificate will be accepted unless the President or the Commandant has been notified in advance of the expiration of the furlough.

Cadets returning late on furlough are placed in room arrest pending an investigation of the reason of the late return.

All communications from parents requesting furloughs for their sons must be addressed or sent directly to "The Commandant," and must set forth fully the reason for the request. No furlough will be granted unless the reasons given are considered satisfactory and sufficient justification for any loss of time from college duties. Every student is held responsible for his class absences in accordance with the provisions of the class attendance regulations. Telegrams which do not explain fully will not be accepted as complying with the rules. In any case in which business is given as a reason, the nature of the business must be explained fully.

A parent has the right to demand a discharge from College at any time and for any reason, but the College authorities reserve the right to grant or refuse furloughs.

Week-End Leaves. Week-end leaves will be granted under conditions prescribed by the President.

Demerits. Any regular cadet who may receive within any one semester more than 90 demerits during his freshman year, or more than 70 demerits during his sophomore year, or more than 60 demerits during his junior year, or more than 50 demerits during his senior year; or any day cadet who may receive within any one semester more than 80 demerits during his freshman year, or more than 60 demerits during his sophomore year, or more than 50 demerits during his junior year, or more than 40 demerits during his senior year shall be required, by the President, to withdraw immediately from College.

Discharge. No cadet unless twenty-one years of age and paying his own way at college shall be honorably discharged except on the written application of his parents or guardian addressed to the President, or for reasons satisfactory to the President.

SCHOLASTIC REGULATIONS

1. *Credits.* The semester hour shall be the basis of all credits. One recitation hour or three laboratory or shop hours a week constitute a semester hour. The standing of a student in his work at the end of a semester shall be based on daily class

work, tests or other work, and the final examinations. Written examinations shall be required in all subjects at the end of each semester, except in certain laboratory or practical courses where not deemed necessary by the department faculty. A semester grade once reported to the Registrar shall be the final grade for the period covered.

2. *Grading System.* The grading system is as follows:

A—*Excellent.* Indicates that the student is doing work of a very high character. The highest grade given.

B—*Good.* Indicates work that is satisfactory, though not of the highest order.

C—*Fair.* Indicates work of average or medium character.

D—*Pass.* Indicates work below average and unsatisfactory. The lowest passing grade. For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required.

E—*Conditioned.* Indicates a failure to satisfy the requirements as to daily recitations, tests or other work, as well as to the final examination, which condition in the opinion of the instructor may be made up by re-examination at some fixed time.

F—*Failed.* Indicates that a student knows so little of the subject that it must be repeated in order that credit may be received.

I—*Incomplete Work.* Indicates that a relatively small part of the semester's work remains undone. A Grade I is not to be given a student who has made a grade F on his daily work.

I—*Abs. Ex.* Indicates absence from examination on account of sickness or other satisfactory reason.

WP—*Withdrew Passing.* This grade indicates that the student withdrew from the course while doing satisfactory work. The credit hours of a subject on which the grade of WP is received are counted as credits taken in computing the student's grade point ratio.

WF—Withdrew Failing. Indicates that the student withdrew from the course while doing unsatisfactory work. The credit hours of a subject on which the grade of WF is received are counted as credits taken in computing the student's grade point ratio.

Reports and Grades. Semester reports are mailed to parents after the end of each semester (usually within two or three weeks.) Mid-semester reports do not form a part of the permanent record in the Registrar's Office, but are sent to parents for their information.

Grade Points. Nine grade points are assigned for each credit hour on which the student receives the grade of A; six grade points for each credit hour of grade B; and three for each credit hour of grade C. No grade points are assigned for grades D, E, or F. In calculating a student's grade point ratio, the total number of grade points accumulated by the student is divided by the total number of credit hours taken by the student during the semester, session, or other period for which the ratio is calculated.

Dropping Class Work. A subject dropped after the first four weeks of class work is recorded as "Withdrew Passing" or "Withdrew Failing" depending upon the student's grade in the course at the time the subject was dropped.

Upon the recommendation of the instructor and the dean concerned, a student's standing will be investigated and he may be required to drop a subject because of neglect, or lack of application or preparation. No student will be dropped under this rule without approval by the President.

Removal of Grade I. All incomplete grades (I's) for a semester not removed within thirty days after the beginning of the next semester shall become F's unless an extension of time is approved by the instructor concerned and the Registrar.

A student who, for reasons satisfactory to the faculty, is absent from any examinations will be graded I-Abs. Exam. and will be allowed to make up these examinations at such time as is designated for this purpose.

3. *Academic Standards.* Proper discharge of all duties is required at Clemson College, and a student's first duty is his scholastic work. All students should be thoroughly acquainted with and cognizant of these basic requirements.

Minimum Requirements to Continue Enrollment. To be eligible to enroll the next session, a student in his first year of attendance in college must pass a minimum of twenty-four semester credit hours of work. Work passed in the summer term may be included in this minimum total.

A student in his second or any later year of attendance in college, to be eligible to continue his enrollment, must pass either, (1) a minimum of twenty-four semester credit hours of work in the two semesters of the regular session, or (2) a minimum of thirty semester credit hours of work in the two semesters of the regular session and the summer term.

In the cases of upperclassmen failing to pass thirty semester credit hours of work in two regular sessions and the summer term, exception may be made for those students whose cumulative grade point ratio, computed up to date to the nearest whole number, added to the number of hours passed will total thirty. For example, if a student passes twenty-seven hours, and his grade point ratio is three, the two added together will total thirty, and he will be eligible to enroll for the next session. The above requirements will be prorated for students entering in February.

The attention of students is directed to the fact that the freshman requirements apply to first year college students, and the more rigid requirements apply to college students in their second or later years, regardless of whether or not the student's attendance has been at Clemson or at some other institution. The student's classification does not enter into these regulations. The required minimum totals shall be exclusive of courses graded E and exclusive of courses graded I unless there are extenuating circumstances for the I.

The summer term referred to above is interpreted to mean the Clemson College Summer Term unless the student has special approval by the Committee on Admissions and the Committee on

Transfer Credits to pursue a summer program at some other institution in an effort to redeem his academic standing at Clemson.

Class Attendance Regulations. The class attendance regulations are as follows:

1. While a student's first duty in college is his class work and except for special reasons any student should be in every class on schedule, the college recognizes several justifiable reasons for class absences and authorizes absences in such instances. In addition, restricted provision is made for personal emergencies. Rigid penalties are provided for the abuse of these regulations.

2. Absence from class for any of the following reasons will be recorded as authorized, provided the absence is approved in advance by the Class Attendance Officer. The Class Attendance Officer will approve class absences only when the required action as shown opposite the reason below has been taken. Except in cases of extreme personal emergency, students who absent themselves from class prior to authorized permission, will have their absences recorded as unauthorized, even though otherwise authorized.

a. Sickness. Absence certified by the College Surgeon on the hospital report or by another doctor and endorsed by the College Surgeon.

b. Guard Duty. Absence certified by the Commandant.

c. Official representation in intercollegiate athletic events. Absence certified by the Head Coach.

d. Educational Trips. Absence certified by the Dean of the school concerned.

e. Participation in other activities considered to be official and authorized by the Deans and Directors. Absence certified by the faculty sponsor of the activity.

f. Personal emergencies of a serious nature such as death or serious illness in the family. Approved by the Commandant for Cadets or by the Class Attendance Officer for veteran students.

3. The Commandant or a member of his staff designated by him shall act as Class Attendance Officer. All absences, authorized and unauthorized, will be recorded by the Class Attendance Officer. Absence from class for any reason, except those approved in advance by the Class Attendance Officer or those excused because of conditions of extreme personal emergency, will be recorded as unauthorized. It will be the responsibility of the student to report to the Class Attendance Officer immediately for explanation of those cases when the student absents himself from class under conditions of extreme personal emergency not authorized in advance. Otherwise, such absences will be presumed to be unauthorized and will be so recorded.

4. Absentee reports will be submitted daily, on the form provided, to the Class Attendance Officer by each instructor through his Dean. All absences, authorized and unauthorized, will be reported. It will be the instructor's responsibility to determine whether or not a student is absent or late.

5. Students shall not request instructors to excuse them from class or to change class periods or examinations. Instructors have no authority to grant such requests.

6. All class work missed on account of authorized absences shall be made up to the satisfaction of the instructor concerned. Instructors will not be obligated to permit a student to make up any work missed during unauthorized absences. If the unauthorized absence is from a previously announced quiz or examination, the student will not be permitted to make up that work and will be given a grade of zero for that assignment.

7. To provide for personal emergencies, freshmen and students enrolled in 100 series courses will not be penalized for two unexcused absences per semester in each subject of three credit hours or more, and one in the case of subjects of less than three credit hours. For any additional unauthorized absences, such students will be dropped from the subject. Any freshman who is absent from more than the equivalent of four weeks' work, whether the absences are excused or unexcused, will be dropped from the subject unless his continuance is authorized by his Dean within one week after notification.

8. In the event that a student classified as sophomore or higher is absent, including both authorized and unauthorized absences, from the equivalent of three weeks of work in a course during a regular semester or one and a half in a Summer Session, the Dean of the School in which the student is majoring shall be notified by the Class Attendance Officer that such student is being dropped from the course concerned. If it is felt by the Dean that such action is undesirable, he shall notify the Class Attendance Officer to that effect within one week of the Dean's having been sent the drop notice, otherwise the drop will remain in effect.

9. Any student who, by being dropped from one or more subjects, reduces his credit hour load below twelve semester credits shall be suspended from college for at least the remainder of that semester and the semester following. A student whose class attendance record is generally unsatisfactory may be required to withdraw from college at any time.

10. Warning letters will be sent to freshmen and students enrolled in 100 series courses immediately following receipt of the first unexcused absence. Warning letters will be sent to those students classified as sophomores or higher who have had absences from the equivalent of two weeks' work. In each case, a copy of the warning letter will be forwarded to the student's parents and the instructor concerned.

11. All students must turn in a completed class schedule to the Commandant's Office within one week after registration. All changes in this schedule must be reported promptly to the Class Attendance Officer.

12. Freshman students must submit all requests for class absences to the Commandant's Office forty-eight (48) hours prior to the effective date of the class absence, except in extreme emergencies.

13. Students who are absent from the campus because of sickness will report to the Class Attendance Officer at once upon their return to school in order that their attendance record may be verified and brought up to date.

14. These class regulations are subject to change at any time by published notice of such change.

4. *Promotion and Classification.* Effective in September, 1947, and so long as the institution reclassifies students every semester, the following new classification rules will apply:

A. To be classified as a senior, a student must have completed sufficient scholastic work toward his degree to enable him to complete the requirements for graduation by completing not more than 42 additional credits. To be classified as a senior, a student must also have earned twice as many grade points as the minimum number of credit hours required in his case for senior classification.

B. To be classified as a junior, a student must have completed at least 64 semester credit hours and must have earned at least 128 grade points.

C. To be classified as a sophomore, a student must have completed at least 30 semester credit hours.

D. All new students are classified as freshmen unless they have attended another college prior to entrance and have completed sufficient scholastic work as to enable them to complete the requirements for graduation from Clemson in not more than three regular sessions.

E. *Requirements for Graduation.* For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. All work must be completed before 5 p. m. on the Thursday preceding Commencement. Residence of at least one regular session shall be required for graduation.

F. *Seniors Failing to Graduate.* A senior who fails to graduate because of one F on a subject or one or more grades of E or I shall have an opportunity of removing the unsatisfactory grades by examination after commencement provided that he can furnish evidence of having done satisfactory study. A senior who qualifies for graduation under this regulation will be awarded his degree on the next regular date for the award of degrees.

5. *Removal of Conditions.* Only one opportunity shall be given a student to remove a condition (E) by a re-examination. A student who fails to pass such a re-examination shall be re-

quired to repeat the subject hour for hour in class. Not more than twelve credit hours of conditions for a session shall be removed by re-examination. A student shall not receive a grade higher than D when a deficiency is removed by re-examination.

Re-examinations shall be held as scheduled by the schedule committee. All conditions (E's) not removed during the time set aside for re-examinations shall become failures.

6. *Removal of Failures.* A student who has failed (made a grade F) in a subject cannot receive credit for that subject until it has been satisfactorily repeated hour for hour in class, except that in the case of correlated laboratory work, the number of hours to be taken shall be determined by the instructor. Where separate grades for class and laboratory work are given, that part of the subject shall be repeated in which the failure occurs.

7. *Special Examinations.* Any request for a special examination must be approved by (1) the instructor concerned, (2) the head of the department concerned, (3) the dean of the school, and (4) the registrar.

8. *Maximum Credit Load.* The normal schedule for a student includes only as many credit hours as are required for the class and course in which he is registered. Students should schedule this amount of work unless their credits are restricted as a result of a poor scholastic record. Students are advised not to exceed the normal schedule except upon approval by the class adviser.

The number of credits which a student may schedule during either semester of the session is governed by his grade point ratio—the most recently calculated cumulative or semester ratio, whichever is higher: Until such time as a grade point ratio is available, a freshman is restricted to the requirements of his course or to 20 semester hours, whichever is higher.

Grade Point Ratio Required	Maximum Credit Hours Which May Be Scheduled
0.00 to 0.99 -----	18
1.00 to 1.99 -----	19
2.00 to 2.99 -----	20
3.00 to 3.99 -----	21
4.00 to 4.99 -----	22
5.00 to 5.99 -----	23
6.00 to 6.99 -----	24
7.00 to 7.99 -----	25
8.00 or above -----	26

If any student schedules excessive credits, he will be automatically dropped from a sufficient number of subjects to reduce his total credits within the limits. If for any reason a student's excessive registration continues throughout the semester, his credit on one or more subjects passed will be cancelled at the end of the semester.

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART V

Degrees and Curricula

PART V—DEGREES AND CURRICULA

BACHELORS' DEGREES

The degree of Bachelor of Science is awarded to those students who satisfactorily complete one of the four-year curricula offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Textiles, and to those students who complete the four-year course in Architecture or Architectural Engineering under the School of Engineering. The five-year course in Architecture leads to the Bachelor of Architecture degree. The degrees of Bachelor of Ceramic Engineering, Bachelor of Chemical Engineering, Bachelor of Civil Engineering, Bachelor of Electrical Engineering, and Bachelor of Mechanical Engineering are awarded to the graduates of these respective four-year courses.

The total semester credit hours required for graduation amount to 150 in each of the regular four-year curricula. These credits include the prescribed subjects in each curriculum and an appropriate number of approved electives or technical electives as outlined in the regular four-year curricula.

For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. Nine grade points are assigned for each credit hour on which the student receives the grade of *A*; six grade points for each credit hour of grade *B*; and three for each credit hour of grade *C*. No grade points are assigned for grades *D*, *E*, or *F*. Candidates for the degrees listed above are required to apply for their degrees at least two months prior to the date the degrees are to be awarded. These applications should be filled out in the Registrar's Office on the regular blanks provided.

All work for a degree must be completed by 5 p. m. on the Thursday preceding graduating exercises. Residence of at least one regular session is required for graduation. Every candidate for a degree must pay to the Treasurer of the College the cost of his diploma before 5 p. m. on the Thursday preceding graduation.

If all work toward a degree is not completed within five years after entrance, the student may be required to take additional courses.

GRADUATE DEGREES

The degree of Master of Science is awarded to those students who satisfactorily complete a prescribed graduate program of work consisting of a minimum of 30 semester credit hours in the student's field of concentration. Of the 30 semester credit hours required 6 must be for research and at least 12 must come from the courses which are designed exclusively for graduate students.

For admission to graduate status the student must present evidence that he possesses a Bachelor's degree from an accredited institution and that his undergraduate preparation was of a high order. He should have the equivalent to an undergraduate major with an average grade of B or better in the field in which he desires to pursue graduate work. If the previous scholastic work is not considered adequate, the student may be required to make good the deficiency by doing additional supplementary work and lengthening the time required to obtain the degree.

Students, other than those who meet the requirements for admission to graduate status, will not be permitted to register for courses numbered 500 or higher.

Persons interested in graduate work should consult with the Chairman of the Committee on Graduate Work, the Registrar, and the Head of the department concerned, well in advance of the time at which they plan to register for graduate work.

PROFESSIONAL DEGREES

The College offers the following professional engineering degrees: Civil Engineer, Electrical Engineer and Mechanical Engineer.

The requirements for these degrees are: (a) a Bachelor's degree from Clemson College in one of these three branches in engineering, (b) five years of subsequent professional experience, one year of which must have been in responsible charge of engineering or engineering instruction, (c) the preparation of a

thesis demonstrating distinct technical ability. (Detailed information regarding professional degrees may be obtained from the Registrar.)

CURRICULA

Twenty-eight undergraduate curricula are offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles. The curricula under each school are listed below:

SCHOOL OF AGRICULTURE

Agricultural Economics
Agricultural Engineering
Agronomy
Animal Husbandry
Botany
Dairy
Entomology
Horticulture
Poultry
Pre-Forestry
Pre-Veterinary

SCHOOL OF ARTS AND SCIENCES

Arts and Sciences
Industrial Physics
Pre-Medicine

SCHOOL OF CHEMISTRY

Chemistry

SCHOOL OF EDUCATION

Education
Industrial Education
Vocational Agricultural Education

SCHOOL OF ENGINEERING

Architecture
Architectural Engineering
Ceramic Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Mechanical Engineering

SCHOOL OF TEXTILES

Textile Chemistry
Textile Engineering
Textile Manufacturing

While the College is glad to assist all who ask for help in securing employment, it does not guarantee positions to those who complete any of the courses of study.

In the curricula which follow are given the official title and number of the course, the descriptive title, the number of semester hours credit, and in parentheses the number of hours per week in class and laboratory, respectively.

SCHOOL OF AGRICULTURE

Organized under the School of Agriculture are nine curricula, including Agricultural Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Botany, Dairying, Entomo-

logy, Horticulture, and Poultry. In general, the work of agricultural graduates may be classified in six rather broad fields: Farming, both general and specialized; agricultural extension service, including county agent work and extension specialists; research, especially work with the agricultural experiment stations; government regulatory work, such as plant inspection with the U. S. Bureau of Entomology and Plant Quarantine; teaching in college after appropriate graduate work is completed; and a host of occupations with commercial concerns, such as seed companies, meat packers, fertilizer companies, florists, canneries, agricultural implement concerns, etc. To illustrate the types of work in which graduates of each curriculum engage, a few of the many occupations of agricultural graduates are given below.

AGRICULTURE

Basic Curriculum

Required of all agricultural students except those in Agricultural Economics, Agricultural Engineering, Pre-Forestry, and Pre-Veterinary.

FRESHMAN YEAR

First Semester

A H 101 Types and Breeds.....	2 (2,0)
A H 103 Types and Breeds Lab.....	1 (0,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 101 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Agron 101 Farm Crops.....	3 (3,0)
Chem 102 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3 (3,0)
Ag En 201 Farm Machinery.....	3 (2,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
For 205, 207 Farm Forestry.....	3 (2,3)
or Geol 201 Agric. Geology.....	3 (3,0)
Hort 201 Gen. Horticulture.....	3 (2,3)
Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

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Agron 202 Soils.....	3 (2,3)
Chem 220 Organic Chemistry.....	4 (3,3)
Dairy 201 Dairying.....	3 (2,3)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

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AGRICULTURAL ECONOMICS AND RURAL

SOCIOLOGY

Training in Agricultural Economics and Rural Sociology prepares students wholly or in part for farming; managing farms; appraising land, marketing activities; supervising agricultural loan departments in private banks; directing farmer cooperatives such as the production credit and farm loan associations affiliated with the Farm Credit Administration; educational work as teachers or extension workers; public relations research and sales work for the manufacturers of agricultural implements, fertilizers, etc.; organizational and publicity work for farm organizations and cooperative associations; positions in state, county and local government service; research work in farm management, farm credit, taxation, marketing, farm population and rural life trends; farm planning work for the Soil Conservation Service; and for operating numerous enterprises where a knowledge of economic principles is an essential supplement to knowledge of the technical requirements of the business.

AGRICULTURAL ECONOMICS MAJOR

For freshman requirements see *Basic Agricultural Curriculum*

SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3 (3,0)	Agron 202 Soils.....	3 (2,3)
Ag En 201 Farm Machinery.....	3 (2,3)	Math 104 Freshman Math.....	5 (5,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Dairy 201 Dairying.....	3 (2,3)
For 205, 207 Farm Forestry.....	3 (2,3)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
or Geol 201 Agric. Geology.....	3 (3,0)	Phys 202 General Physics.....	3 (3,0)
Hort 201 Gen. Horticulture.....	3 (2,3)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
Phys 201 General Physics.....	3 (3,0)	M S 202 Military Drill.....	0 (0,3)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	M S 204 M. S. & T.—Basic.....	1 (2,0)
M S 201 Military Drill.....	0 (0,3)		
M S 203 M. S. & T.—Basic.....	1 (2,0)		

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JUNIOR YEAR

Ag Ec 305 Farm Accounting.....	2 (1,3)	Ag Ec 302 Farm Management.....	4 (3,3)
Ag Ec 309 Marketing.....	3 (2,3)	Ag Ec 352 Public Finance.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)	or Ag Ec 356 Agri. Ind. Rel.....	3 (3,0)
Hist 301 U. S. since 1865.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
R S 301 Rural Sociology.....	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
Approved Electives.....	5	M S 302 Military Drill.....	0 (0,3)
		Approved Electives.....	4

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Suggested Electives:

Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)
M S M. S. & T.—Adv.....	3 (4,0)
Y M 305 Cotton Marketing.....	1 (0,3)

Suggested Electives:

Dairy 352 Advertising & Mktg.....	3 (3,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

SENIOR YEAR

Ag Ec 401 Statistics.....	3 (2,3)	Ag Ec 406 Seminar.....	1 (1,0)
Ag Ec 405 Seminar.....	1 (1,0)	Ag Ec 452 Agric. Policy.....	3 (3,0)
Ag Ec 451 Econ. of Coop.....	3 (3,0)	Ag Ec 456 Prices.....	3 (3,0)
or Ag Ec 455 Internat. Trade.....	3 (3,0)	or Ag Ec 460 Agric. Finance.....	3 (3,0)
Dairy 301 Genetics.....	3 (2,3)	Ag En 301 Soil Conservation.....	3 (2,3)
Psych 301 Gen. Psychology.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives.....	6	Approved Electives.....	6
	19		19
Suggested Electives:		Suggested Electives:	
Gov 43 Internat. Relat.....	2 (2,0)	Econ 302 Money and Banking.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)	M S M. S. & T.—Adv.....	3 (4,0)
R S 459 The Rural Community.....	3 (3,0)	Soc 402 The Family.....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)		

AGRONOMY

Agronomy graduates have opportunities in general farming, soil conservation service, agricultural extension and experiment station work, and may also be found as plant breeders, soil analysts, and crop specialists. Other positions include work with commercial concerns such as fertilizer companies, seedsmen, and manufacturers of certain food products.

AGRONOMY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Ag En 301 Soil Conservation.....	3 (2,3)	Agron 302 Genetics.....	3 (2,3)
Agron 301 Fertilizers.....	3 (3,0)	Agron 306 Forage Crops.....	3 (3,0)
Bact 301 Gen. Bacteriology.....	3 (3,0)	Bot 352 Plant Physiology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Bot 354 Plant Physiol. Lab.....	1 (0,3)
Engl 301 Public Speaking.....	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
Approved Electives.....	6	M S 302 Military Drill.....	0 (0,3)
	19	Approved Elective.....	3
Suggested Electives:			17
Ent 301 Elem. & Econ. Ent.....	3 (2,3)	Suggested Electives:	
M S M. S. & T.—Adv.....	3 (4,0)	Ag Ec 302 Farm Management.....	4 (3,3)
R S 301 Rural Sociology.....	3 (3,0)	For 205 Farm Forestry.....	2 (2,0)
		For 207 Farm For. Lab.....	1 (0,3)
		M S M. S. & T.—Adv.....	3 (4,0)

SENIOR YEAR

Agron 401 Adv. Crop Lab.....	1 (0,3)	Agron 452 Soil Management.....	2 (2,0)
Agron 405 Plant Breeding.....	3 (2,3)	Agron 454 Adv. Soil Lab.....	1 (0,3)
Agron 409 Cotton & Tobacco.....	3 (3,0)	Agron 456 Seminar.....	1 (1,0)
Agron 451 Min. Nutr. Crops.....	2 (2,0)	Agron 458 Res. and Thesis.....	1 (0,3)
Agron 455 Seminar.....	1 (1,0)	A H 301 Feeds and Feeding.....	3 (3,0)
Agron 457 Res. and Thesis.....	1 (0,3)	Bact 410 Soil Microbiology.....	2 (2,0)
Bot 401 Plant Pathology.....	2 (2,0)	Bact 412 Soil Micro. Lab.....	1 (0,3)
Bot 403 Plant Path. Lab.....	1 (0,3)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
Psych 301 Gen. Psychology.....	3 (3,0)	M S 402 Military Drill.....	0 (0,3)
M S 401 Military Drill.....	0 (0,3)	Approved Electives.....	6
Approved Elective.....	3		
	20		20
Suggested Electives:		Suggested Electives:	
Ag Ec 309 Marketing.....	3 (2,3)	Ag Ec 460 Agric. Finance.....	3 (3,0)
Ag Ec 401 Statistics.....	3 (2,3)	Bot 356 Taxonomy.....	1 (1,0)
M S M. S. & T.—Adv.....	3 (4,0)	Bot 358 Taxonomy Lab.....	2 (0,6)
		Bot 402 Economic Botany.....	2 (2,0)
		Bot 404 Econ. Bot. Lab.....	1 (0,3)
		M S M. S. & T.—Adv.....	3 (4,0)

ANIMAL HUSBANDRY

Occupations for Animal Husbandry graduates include live-stock farming, cattle and swine breeding, extension livestock specialists, feed specialists, county agents, agricultural teachers, research work in animal industry, positions with meat packing companies, feed dealers, freezer locker operators, livestock dealers, and livestock commission brokers.

ANIMAL HUSBANDRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Agron 301 Fertilizers	3 (3,0)	Ag Ec 302 Farm Management	4 (3,3)
A H 301 Feeds and Feeding	3 (3,0)	Agron 306 Forage Crops	3 (3,0)
A H 303 Feeding Lab.	1 (0,3)	A H 306 Judging	1 (0,3)
Dairy 301 Genetics	3 (2,3)	A H 310 Pork Production	2 (2,0)
Engl 301 Public Speaking	3 (3,0)	A H 312 Brds. of Livestock	2 (2,0)
M S 301 Military Drill	0 (0,3)	A H 314 Pork Prod. Lab.	1 (0,3)
Approved Electives	6	Gov 301 Am. G. & Pol. Par.	3 (3,0)
		M S 302 Military Drill	0 (0,3)
		Approved Elective	3

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Suggested Electives:

Ent 301 Elem. & Econ. Ent.	3 (2,3)
M S. M. S. & T.—Adv.	3 (4,0)
R S 301 Rural Sociology	3 (3,0)

SENIOR YEAR

A H 401 Beef Production	2 (2,0)	A H 402 Horse & Sheep Pr.	3 (3,0)
A H 403 Beef Prod. Lab.	1 (0,3)	A H 406 Seminar	2 (2,0)
A H 451 Advanced Feeds	2 (2,0)	A H 452 Animal Breeding	2 (2,0)
A H 455 Farm Meats	2 (0,6)	A H 454 Animal Breed. Lab.	1 (0,3)
Bact 301 Gen. Bacteriology	3 (3,0)	A H 456 Advanced Meats	1 (1,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	A H 458 Adv. Meats Lab.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)	P H 301 Farm Poultry	3 (3,0)
M S 401 Military Drill	0 (0,3)	P H 303 Farm Poul. Lab.	1 (0,3)
Approved Electives	6	M S 402 Military Drill	0 (0,3)
		Approved Elective	4

20

Suggested Electives:

Ag Ec 309 Marketing	3 (2,3)
A H 406 Advanced Judging	1 (0,3)
M S. M. S. & T.—Adv.	3 (4,0)
V S 401 Anat. & Physiology	3 (2,3)

Suggested Electives:

Hort 464 Food Preservation	3 (2,3)
M S. M. S. & T.—Adv.	3 (4,0)
V S 402 Animal Diseases	3 (2,3)

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BOTANY

Opportunities in Botany include research work with the state and federal agencies as well as with private agencies such as manufacturers of foods and fibers, agricultural chemicals, fertilizers, weed control chemicals, and seedsmen. Occupations in the agricultural extension work, teaching of biological sciences, curators of herbaria, industrial sales and demonstration representatives for companies manufacturing fungicides and herbicides are also available. Plant pathologists also have opportunities in nursery, orchard and food inspection as well as pathologist-plant breeders with seed companies and other research agencies.

BOTANY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)	Agron 302 Genetics.....	3 (2,3)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Bot 352 Plant Physiology.....	3 (3,0)
Bot 351 Plant Morphology.....	2 (2,0)	Bot 354 Plant Physiol. Lab.....	1 (0,3)
Bot 353 Plant Morph. Lab.....	2 (0,6)	Bot 356 Taxonomy.....	1 (1,0)
Bot 355 Histology.....	2 (0,6)	Bot 358 Taxonomy Lab.....	2 (0,6)
Engl 301 Public Speaking.....	3 (3,0)	Ger 102 Beginner's German.....	3 (3,0)
Ger 101 Beginner's German.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	M S 302 Military Drill.....	0 (0,3)
Approved Elective.....	3	Approved Elective.....	3
	19		19
Suggested Electives:		Suggested Electives:	
Econ 312 Commercial Law.....	3 (3,0)	Ent 302 General Entomology.....	3 (2,3)
Hort 301 Prin. Veg. Prod.....	3 (2,3)	For 205 Farm Forestry.....	2 (2,0)
M S M. S. & T.—Adv.....	3 (4,0)	For 207 Farm For. Lab.....	1 (0,3)
		M S M. S. & T.—Adv.....	3 (4,0)

SENIOR YEAR

Bot 401 Plant Pathology.....	2 (2,0)	Bot 402 Economic Botany.....	2 (2,0)
Bot 403 Plant Path. Lab.....	1 (0,3)	Bot 404 Econ. Bot. Lab.....	1 (0,3)
Bot 405 Seminar & Thesis.....	2 (1,3)	Bot 406 Seminar & Thesis.....	2 (1,3)
Bot 451 Morph. of Fungi.....	2 (2,0)	Bot 452 Ecology.....	2 (2,0)
Bot 453 Morph. Fungi Lab.....	1 (0,3)	Bot 454 Ecology Lab.....	2 (0,6)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)	P H 301 Farm Poultry.....	3 (3,0)
Psych 301 Gen. Psychology.....	3 (3,0)	P H 303 Farm Poul. Lab.....	1 (0,3)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives.....	6	Approved Electives.....	5
	20		18
Suggested Electives:		Suggested Electives:	
Ag Ec 401 Statistics.....	3 (2,3)	Agron 452 Soil Management.....	2 (2,0)
Agron 405 Plant Breeding.....	3 (2,3)	Agron 454 Adv. Soil Lab.....	1 (0,3)
Agron 461 Min. Nutr. Crops.....	2 (2,0)	Bact 410 Soil Microbiology.....	2 (2,0)
M S M. S. & T.—Adv.....	3 (4,0)	Bact 412 Soil Micro. Lab.....	1 (0,3)
		Hort 456 Truck Crops.....	3 (2,3)
		M S M. S. & T.—Adv.....	3 (4,0)

DAIRYING

Opportunities in Dairying include dairy farming, dairy plant management, dairy herdsmen for large breeding companies, ice cream manufacturing, laboratory and technical work in dairy plants, milk inspection work, dairy extension specialist, research work with state, federal and commercial organizations, as well as many positions with milk products laboratories and production plants.

DAIRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)	A H 301 Feeds and Feeding.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	*Dairy 306 Market Milk.....	3 (3,0)
Dairy 301 Genetics.....	3 (2,3)	Engl 301 Public Speaking.....	3 (3,0)
Dairy 302 Dairy Technology.....	3 (2,3)	P H 301 Farm Poultry.....	3 (3,0)
Dairy 305 Judging.....	1 (0,3)	P H 303 Farm Poultry Lab.....	1 (0,3)
Dairy 309 Animal Nutrition.....	3 (3,0)	M S 302 Military Drill.....	0 (0,3)
M S 301 Military Drill.....	0 (0,3)	Approved Electives.....	6
Approved Electives.....	5		

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Suggested Electives:	
Ag Ec 401 Statistics.....	3 (2,3)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)
V S 401 Anat. & Physiology.....	3 (2,3)
Zool 301 Adv. Zoology.....	3 (2,3)

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Suggested Electives:	
A H 310 Pork Production.....	2 (2,0)
A H 314 Pork Prod. Lab.....	1 (0,3)
*Dairy 352 Advertising & Mktg.....	3 (3,0)
Dairy 354 Endocrinology.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)
Zool 301 Embryology.....	3 (2,3)

SENIOR YEAR

Agron 301 Fertilizers.....	3 (3,0)	Dairy 402 Dairy Manufactures.....	4 (2,6)
Bact 402 Dairy Bacteriology.....	2 (2,0)	Dairy 405 Breeding.....	3 (2,3)
Bact 404 Dairy Bact. Lab.....	1 (0,3)	Dairy 410 Seminar.....	2 (2,0)
Dairy 401 Dairy Manufactures.....	3 (2,3)	Dairy 452 Feeding & Mgt.....	3 (2,3)
Dairy 409 Seminar.....	2 (2,0)	Psych 301 Gen. Psychology.....	3 (3,0)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)	M S 402 Military Drill.....	0 (0,3)
M S 401 Military Drill.....	0 (0,3)	Approved Elective.....	3
Approved Electives.....	6		

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Suggested Electives:	
Agron 306 Forage Crops.....	3 (3,0)
Econ 312 Commercial Law.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)

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Suggested Electives:	
Ag Ec 302 Farm Management.....	4 (3,3)
Ag Ec 460 Agric. Finance.....	3 (3,0)
*Dairy 352 Advertising & Mktg.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)
V S 402 Animal Diseases.....	3 (2,3)

*Dairy 306 and 352 are given in alternate years.

ENTOMOLOGY

Many Entomology graduates normally enter federal service with the U. S. Bureau of Entomology and Plant Quarantine as research men or as inspectors. Others enter responsible positions in teaching, research and extension staffs of the several State Colleges and Universities. Insecticide manufacturing concerns also attract many Entomology graduates. Beekeeping is also one phase of entomological work.

ENTOMOLOGY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Engl 301 Public Speaking	3 (3,0)
Ent 301 Elem. & Econ. Ent.	3 (2,3)
Ger 101 Beginner's German	3 (3,0)
Zool 301 Advanced Zoology	3 (2,3)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

19

Suggested Electives:

Hort 305 Plant Propagation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
R S 301 Rural Sociology	3 (3,0)

Agron 302 Genetics	3 (2,3)
Bot 352 Plant Physiology	3 (3,0)
Bot 354 Plant Physiol. Lab.	1 (0,3)
Ent 302 General Entomology	3 (2,3)
F H 301 Farm Poultry	3 (3,0)
P H 303 Farm Poul. Lab.	1 (0,3)
Zool 306 Game Management	2 (2,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

19

Suggested Electives:

For 205 Farm Forestry	2 (2,0)
For 207 Farm For. Lab.	1 (0,3)
Ger 102 Beginner's German	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Zool 302 Embryology	3 (2,3)

SENIOR YEAR

Bot 401 Plant Pathology	2 (2,0)
Bot 403 Plant Path. Lab.	1 (0,3)
Ent 401 Econ. Entomology	3 (2,3)
Ent 405 Insect Morphology	3 (2,3)
Ent 451 Intro. to Research	2 (1,3)
Psych 301 Gen. Psychology	3 (3,0)
M S 401 Military Drill	0 (0,3)
Approved Electives	6

20

Suggested Electives:

Ag Ec 401 Statistics	3 (2,3)
Bot 451 Morph. of Fungi	2 (2,0)
Bot 453 Morph. Fungi Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)
Soc 301 Intro. Sociology	3 (3,0)

Ent 402 Econ. Entomology	3 (2,3)
Ent 406 Beekeeping	3 (2,3)
Ent 452 Taxonomic Ent.	2 (1,3)
Ent 456 Parasitology	3 (2,3)
Ent 460 Seminar	2 (2,0)
Gov 301 Am. G. & Pol. Par.	3 (3,0)
M S 402 Military Drill	0 (0,3)
Approved Elective	2

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Suggested Electives:

Bot 356 Taxonomy	1 (1,0)
Bot 358 Taxonomy Lab.	2 (0,6)
Econ 312 Commercial Law	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)

HORTICULTURE

Opportunities in Horticulture include vegetable and fruit farm management, nursery management, landscape gardening, fresh fruit and vegetable and food products inspection, plant breeding, agricultural extension service, experiment station research, and food canning, freezing and dehydration. Other occupations include work with florists, seedsmen, fruit products companies, fertilizer companies, fungicide and insecticide manufacturers and dealers, and spraying and dusting equipment manufacturers and dealers.

HORTICULTURE MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Agron 301 Fertilizers	3 (3,0)	Agron 302 Genetics	3 (2,3)
Bact 301 Gen. Bacteriology	3 (3,0)	Bot 352 Plant Physiology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Bot 354 Plant Physiol. Lab.	1 (0,3)
Ent 301 Elem. & Econ. Ent.	3 (2,3)	Engl 301 Public Speaking	3 (3,0)
Hort 301 Prin. Veg. Prod.	3 (2,3)	Gov 301 Am. G. & Pol. Par.	3 (3,0)
Hort 305 Plant Propagation	3 (2,3)	Hort 306 Landscape Design	2 (2,0)
M S 301 Military Drill	0 (0,3)	Hort 308 Land. Des. Lab.	1 (0,3)
Approved Elective	3	M S 302 Military Drill	0 (0,3)
		Approved Elective	3

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Suggested Electives:

M S M. S. & T.—Adv.	3 (4,0)
R S 301 Rural Sociology	3 (3,0)

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Suggested Electives:

Ag Ec 302 Farm Management	4 (3,3)
Bot 356 Taxonomy	1 (1,0)
Bot 358 Taxonomy Lab.	2 (0,6)
M S M. S. & T.—Adv.	3 (4,0)

SENIOR YEAR

Ag Ec 309 Marketing	3 (2,3)	Hort 410 Seminar	1 (1,0)
Bot 401 Plant Pathology	2 (2,0)	Hort 452 Commrcl. Pomology	3 (2,3)
Bot 403 Plant Path. Lab.	1 (0,3)	or Hort 402 Garden Design	2 (2,0)
Hort 409 Seminar	1 (1,0)	Hort 404 Garden Des. Lab.	1 (0,3)
Hort 451 Syst. Pomology	3 (2,3)	Hort 456 Truck Crops	3 (2,3)
Hort 455 Breeding H. Crops	3 (2,3)	or Hort 460 Landscape Dsgn	3 (2,3)
or Hort 405 Nut Culture	3 (2,3)	Hort 464 Food Preservation	3 (2,3)
Psych 301 Gen. Psychology	3 (3,0)	P H 301 Farm Poultry	3 (3,0)
M S 401 Military Drill	0 (0,3)	P H 303 Farm Poul. Lab.	1 (0,3)
Approved Elective	2	M S 402 Military Drill	0 (0,3)
		Approved Electives	6

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Suggested Electives:

Hort 401 Landscape Design	2 (2,0)
Hort 403 Landsc. Des. Lab.	1 (0,3)
Hort 415 Floriculture	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

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Suggested Electives:

Ag En 301 Soil Conservation	3 (2,3)
Ent 406 Beekeeping	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

POULTRY

Graduates in Poultry Husbandry major have opportunities as poultry farm operators, hatchery managers, sales and service-men with feed manufacturers and poultry equipment concerns, poultry research workers and extension agents.

POULTRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

A H 301 Feeds and Feeding	3 (3,0)	Ag Ec 302 Farm Management	4 (3,3)
A H 303 Feeding Lab.	1 (0,3)	Bact 301 Gen. Bacteriology	3 (3,0)
Dairy 301 Genetics	3 (2,3)	Bact 303 Gen. Bact. Lab.	1 (0,3)
R S 301 Rural Sociology	3 (3,0)	Engl 301 Public Speaking	3 (3,0)
V S 401 Anat. & Physiology	3 (2,3)	P H 301 Farm Poultry	3 (3,0)
M S 301 Military Drill	0 (0,3)	P H 303 Farm Poul. Lab.	1 (0,3)
Approved Electives	6	M S 302 Military Drill	0 (0,3)
		Approved Elective	3

19

Suggested Electives:

Ent 301 Elem. & Econ. Ent.	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
Zool 301 Advanced Zoology	3 (2,3)

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Suggested Electives:

Agron 306 Forage Crops	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Zool 302 Embryology	3 (2,3)
Zool 306 Game Management	2 (2,0)

SENIOR YEAR

P H 451 Poultry Breeding	3 (2,3)	Gov 301 Am. G. & Pol. Par.	3 (3,0)
P H 455 Grading & Process.	3 (2,3)	Hort 464 Food Preservation	3 (2,3)
P H 459 Dis. & Parasites	3 (2,3)	P H 452 Feed. & Flock Mgt.	3 (2,3)
Psych 301 Gen. Psychology	3 (3,0)	P H 456 Incubat. & Brood.	3 (2,3)
M S 401 Military Drill	0 (0,3)	P H 460 Seminar	2 (2,0)
Approved Electives	7	M S 402 Military Drill	0 (0,3)
		Approved Electives	6
	19		20
Suggested Electives:		Suggested Electives:	
Ag Ec 309 Marketing	3 (2,3)	Ent 406 Beekeeping	3 (2,3)
Ag Ec 401 Statistics	3 (2,3)	M S M. S. & T.—Adv.	3 (4,0)
Dairy 309 Nutrition	3 (3,0)		
M S M. S. & T.—Adv.	3 (4,0)		

AGRICULTURAL ENGINEERING

Opportunities in Agricultural Engineering include mechanized farming; research with state, federal, and private agencies; sales, service, advertising and design of farm equipment and materials; agricultural extension service with state and federal agencies; employment in the fields of soil conservation, land drainage and reclamation, and irrigation; rural electrification work with power companies, manufacturers of electrical equipment and the Rural Electrification Administration of the United States Department of Agriculture; and private business such as farming, operating machinery dealerships and related lines of business.

AGRICULTURAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
Math 103 Freshman Math	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Ag En 203 Ag. Engr. Problems	2 (1,3)
Ag En 207 Farm Mechanics	2 (1,3)
A H 101 Types and Breeds	2 (2,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

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Ag En 202 Farm Equipment	3 (2,3)
Agro 101 Farm Crops	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

Ag En 351 Farm Tractors.....	3 (2,3)	Ag En 304 Rur. Electrifi.....	3 (2,3)
Agron 202 Soils.....	3 (2,3)	Bot 101 General Botany.....	3 (3,0)
E E 303 Elec. Cir. & Machines.....	4 (3,3)	Bot 103 Gen. Bot. Lab.....	1 (0,3)
M E 305 Heat Power.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
M E 307 Heat Power Lab.....	1 (0,3)	In En 201 Metal Processes.....	2 (0,6)
Mech 302 Statics.....	3 (3,0)	In En 302 Welding.....	2 (1,3)
M S 301 Military Drill.....	0 (0,3)	Mech 304 Mech. of Matr.....	3 (3,0)
Approved Elective.....	3	M S 302 Military Drill.....	0 (0,3)
		Approved Elective.....	3

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Suggested Electives:

Arch 215 Building Materials.....	2 (2,0)
C E 203 Topog. Survey & Map.....	1 (0,3)
C E 319 Photogrammetry.....	3 (2,3)
D D 305 Kinematics of Mach.....	2 (1,3)
Mech 303 Kinetics.....	3 (3,0)

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Suggested Electives:

Ag Ec 302 Farm Management.....	4 (3,3)
Agron 306 Forage Crops.....	3 (3,0)
Arch 216 Building Design.....	2 (2,0)
D D 306 Machine Design.....	2 (1,3)
M E 306 Heat Power.....	3 (3,0)

SENIOR YEAR

Ag En 401 Soil & Wat. Con. En.....	3 (2,3)	Ag En 402 Drain. & Irrig.....	3 (2,3)
Ag En 409 Seminar.....	1 (1,0)	Ag En 406 Adv. Farm Mach.....	3 (2,3)
Ag En 451 Farm Structures.....	3 (2,3)	Ag En 410 Seminar.....	1 (1,0)
Hist 301 U. S. since 1865.....	3 (3,0)	Ag En 452 Adv. Farm Struct.....	3 (2,3)
Mech 401 Fluid Mechanics.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
Mech 403 Fluid Mech. Lab.....	1 (0,3)	Hort 464 Food Preservation.....	3 (2,3)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Elective.....	3	Approved Elective.....	3

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Suggested Electives:

Ag Ec 401 Statistics.....	3 (2,3)
In En 402 Metallurgy.....	3 (3,0)
Mech 464 Flow in Open Channels.....	2, 3 (2,3,0)

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Suggested Electives:

Hort 452 Commercial Pomology.....	3 (2,3)
M E 414 Heat Power Lab.....	2 (0,6)
Mech 460 Hydrology.....	3 (3,0)

PRE-FORESTRY

Students completing the two-year Pre-Forestry program at Clemson are qualified to transfer to any of the major forestry institutions in the country. Opportunities exist for work on national forests, state forests, and large private timber lands in technical administrative capacity. Men with training in forest products are also in demand in pulp and paper mills and laboratories and in the mills and developmental laboratories of the larger lumber, plywood and furniture companies in this region and throughout the country.

PRE-FORESTRY

FRESHMAN YEAR

First Semester

Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 101 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
C E 101 Intro. Surveying.....	2 (1,3)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

C E 201 Surveying.....	2 (2,0)	C E 202 Surveying.....	2 (2,0)
C E 203 Topog. Survey. & Map....	1 (0,3)	Econ 201 Prin. of Economics.....	3 (3,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
For 201 General Forestry.....	2 (2,0)	For 202 Dendrology.....	3 (3,0)
For 203 Gen. For. Lab.....	1 (0,3)	For 204 Dendrology Lab.....	1 (0,3)
Geol 201 Agric. Geology.....	3 (3,0)	Phys 202 General Physics.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 204 M. S. & T.—Basic.....	1 (2,0)
M S 203 M. S. & T.—Basic.....	1 (2,0)		
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PRE-VETERINARY MEDICINE

The curriculum in Pre-Veterinary Medicine is designed to meet the general requirements of certain Schools of Veterinary Medicine. Since the requirements for entrance to these schools are not uniform, the student should consider the specific requirements of the school he expects to attend in choosing elective courses.

PRE-VETERINARY

FRESHMAN YEAR

First Semester

AH 101 Types and Breeds.....	2 (2,0)
AH 103 Types and Breeds Lab....	1 (0,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 101 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
MS 101 Military Drill.....	0 (0,3)
MS 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Hist 101 American History.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
MS 102 Military Drill.....	0 (0,3)
MS 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3 (3,0)	AH 301 Feeds and Feeding.....	3 (3,0)
Bot 401 Plant Pathology.....	2 (2,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Bot 403 Plant Path. Lab.....	1 (0,3)	*Modern Language.....	3 (3,0)
Chem 220 Organic Chemistry.....	4 (3,3)	PH 301 Farm Poultry.....	3 (3,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	PH 303 Farm Poultry Lab.....	1 (0,3)
*Modern Language.....	3 (3,0)	Phys 201 General Physics.....	3 (3,0)
Zool 301 Adv. Zoology.....	3 (2,3)	Phys 203 Gen. Phys. Lab.....	1 (0,3)
MS 201 Military Drill.....	0 (0,3)	MS 202 Military Drill.....	0 (0,3)
MS 203 M. S. & T.—Basic.....	1 (2,0)	MS 204 M. S. & T.—Basic.....	1 (2,0)

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*Students may take a correspondence course in Medical Vocabulary, 3 credits, offered at Alabama Polytechnic Institute, in lieu of Modern Language. If the course in Medical Vocabulary is selected in lieu of Modern Language for the first semester of the sophomore year, the student will take three semester credit hours of electives in lieu of Modern Language in the second semester.

Suggested Electives:

AH 312 Brds. of Livestock.....	2 (2,0)
Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)

Suggested Electives:

Dairy 201 Dairying.....	3 (2,3)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)

SCHOOL OF ARTS AND SCIENCES

In addition to acting as a service school to all other schools of the College in furnishing the training in the humanities and the social and physical sciences which is essential to the general education of students, the School of Arts and Sciences offers three curricula:

1. The curriculum in Arts and Sciences, leading to the degree of Bachelor of Science in Arts and Sciences.
2. The curriculum in Pre-Medicine, leading to the degree of Bachelor of Science in Pre-Medicine.
3. The curriculum in Industrial Physics, leading to the degree of Bachelor of Science in Industrial Physics.

Students majoring in the School of Arts and Sciences should secure from the Dean of the School of Arts and Sciences the *Handbook for Students Majoring in the School of Arts and Sciences*, the purpose of which is to provide information to students about possible fields of study, guidance in choosing an appropriate field of concentration, a list of approved electives, and additional information about the requirements for graduation in this school.

ARTS AND SCIENCES

The curriculum in Arts and Sciences is planned to meet the needs of those students who desire a broad, general education as a preparation for intelligent citizenship and for vocational efficiency. The first two years are spent in introductory work in various fields, in order to give the student breadth of view and to enable him to take a more intelligent part in his own education. During the last two years the student concentrates in selected fields.

ARTS AND SCIENCES

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 101 General Chemistry	4 (3,3)	Chem 102 General Chemistry	4 (3,3)
Engl 101 Comp. and Lit.	3 (3,0)	Engl 102 Comp. and Lit.	3 (3,0)
Hist 101 American History	3 (3,0)	Hist 102 American History	3 (3,0)
Math 103 Freshman Math.	5 (5,0)	Math 104 Freshman Math.	5 (5,0)
Modern Language	3 (3,0)	Modern Language	3 (3,0)
M S 101 Military Drill	0 (0,3)	M S 102 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)	M S 104 M. S. & T.—Basic	1 (2,0)

SOPHOMORE YEAR

*Bot 101 General Botany.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
*Bot 103 Gen. Bot. Lab.....	1 (0,3)	*Math 204 Integral Calculus.....	5 (5,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Modern Language	3 (3,0)
*Math 203 Diff. Calculus.....	5 (5,0)	Phys 202 General Physics.....	3 (3,0)
Modern Language	3 (3,0)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
Phys 201 General Physics.....	3 (3,0)	*Zool 101 General Zoology.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	*Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)	M S 204 M. S. & T.—Basic.....	1 (2,0)
Approved Electives	2 - 3	Approved Electives	2 - 3
	18		18

*Students who elect Chemistry, Mathematics, or Physics for one of their fields of concentration shall take Mathematics 203 and 204 and may elect Physics 211, 213 and 212, 214 instead of Physics 201, 203 and 202, 204 during their sophomore year, postponing until their junior year Botany and Zoology, which are required for graduation.

JUNIOR YEAR

Engl 301 Public Speaking.....	3 (3,0)	M S 302 Military Drill.....	0 (0,3)
M S 301 Military Drill.....	0 (0,3)	Approved Electives	19
Approved Electives	16		
	19		19

SENIOR YEAR

M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives	19	Approved Electives	19
	19		19

SUPPLEMENTARY REQUIREMENTS

(1) Before the registration date beginning his Junior year, the student shall select two of the fields of study in the curriculum in Arts and Sciences as fields of concentration. These may be selected from Economics and Sociology, English, Government and History, Mathematics, Physics, Modern Languages, Biological Sciences, and Chemistry.

(2) A minimum of twenty-four hours shall be taken in the primary field of concentration and fifteen hours in the secondary field. This work shall be on the Junior-Senior level except that Mathematics 203 and 204 may be used as part fulfillment of this requirement by a student whose field of concentration is Mathematics.

(3) Besides the courses in the primary and secondary fields of concentration, a minimum of 12 additional approved elective hours shall be taken in courses of Junior-Senior level.

(4) The remainder of the elective work may be taken from the list of approved electives.

(5) Students majoring in Arts and Sciences who desire to teach in the public schools may fulfill the requirements for the secondary field of concentration by taking the eighteen hours of Education required by the State Board of Education.

(6) For graduation in Arts and Sciences at least the second year of one foreign language must be completed in college.

(7) The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military in this total.

For lists of subjects in fields of concentration, for list of approved electives, and for further information the student should consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

INDUSTRIAL PHYSICS

The curriculum in Industrial Physics is intended to give a thorough knowledge of the fundamental principles of physics to students who plan to enter industrial laboratories. This course combines sound theoretical training and extensive laboratory practices in the various branches of physics with considerable work in one related field such as Chemistry or Electrical Engineering. The student is encouraged to take at least two advanced mathematics courses and other technical courses may be taken as electives if desired. On completing this curriculum the student should be prepared to enter research in an industrial or government laboratory.

The freshman year of this curriculum is practically identical with that for engineering students and the sophomore year is also quite similar; therefore a student may postpone deciding which course to take until his junior year. For further information about this curriculum consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

INDUSTRIAL PHYSICS

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
C E 101 Intro. Surveying.....	2 (1,3)
or Gov 101 Amer. Nat'l. Gov't.	3 (3,0)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

In En 201 Metal Processes.....	2 (0,6)
or Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
or Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)
Approved Electives.....	0 - 3

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Approved Electives.....	4
or Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
or Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

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JUNIOR YEAR

E E 307 D. C. Circ. & Mach.....	4 (3,3)
or Chem 221 Elem. Org. Chem.....	5 (3,6)
Hist 301 U. S. since 1865.....	3 (3,0)
Phys 301 Int. to Mod. Phys.....	3 (3,0)
Phys 303 Exp. in Mod. Phys.....	1 (0,3)
Phys 321 Mech. & Prop. Mat.....	4 (4,0)
Phys 323 Experimental Mech.....	1 (0,3)
M S 301 Military Drill.....	0 (0,3)
Approved Electives.....	3 - 4

20

E E 308 A. C. Circ. & Mach.....	4 (3,3)
or Chem 222 Elem. Org. Chem.....	5 (3,6)
Engl 301 Public Speaking.....	3 (3,0)
Phys 304 Descript. Astronomy.....	3 (3,0)
or Phys 308 Sound & Acoustics.....	3 (3,0)
Phys 312 Heat & Kinetic Th.....	4 (4,0)
Phys 314 Experimental Heat.....	1 (0,3)
M S 302 Military Drill.....	0 (0,3)
Approved Electives.....	4 - 5

20

SENIOR YEAR

E E 320 Electronics.....	4 (3,3)
or Chem 331 & 333 Phys. Chem.....	5 (3,6)
Phys 441 Magnetism & Elec.....	4 (4,0)
Phys 443 Experimental Elec.....	1 (0,3)
M S 401 Military Drill.....	0 (0,3)
Approved Electives.....	10 - 11

20

E E (as approved).....	4
or Chem 332 & 334 Phys.	5 (3,6)
Chem.....	5 (3,6)
Phys 432 Light.....	4 (4,0)
Phys 434 Experimental Light.....	1 (0,3)
Phys 452 Atom. & Nucl. Phys.....	3 (3,0)
MS 402 Military Drill.....	0 (0,3)
Approved Electives.....	7 - 8

20

PRE-MEDICINE

The curriculum in Pre-Medicine is designed to meet the general entrance requirements of standard medical colleges. Since, however, requirements for entrance to various medical schools are not uniform, the student before choosing his electives should consult the specific requirements of the medical college of his preference.

Those preparing for the study of medicine are advised to complete four years of undergraduate work before entering a medical school. Clemson College, however, will award the degree of Bachelor of Science in Pre-Medicine to a student who, after completing all requirements of the first three years of the Pre-Medical course, is graduated from a medical college approved by the American Medical Association. Requirements of the first three years would be three-fourths of the number of hours required for graduation, including required courses for the first three years.

The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military courses in this total.

PRE-MEDICINE

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry	4 (3,3)
Engl 101 Comp. and Lit.	3 (3,0)
Fr 101 Beginner's French	3 (3,0)
or Ger 101 Beginner's Ger.	3 (3,0)
Hist 101 American History	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)
	19

Second Semester

Chem 104 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Fr 102 Beginner's French	3 (3,0)
or Ger 102 Beginner's Ger.	3 (3,0)
Hist 102 American History	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)
	19

SOPHOMORE YEAR

Chem 211 Qual. Analysis	3 (1,6)
D D 101 Freehand Drawing	1 (0,3)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Fr 201 Intermediate French	3 (3,0)
or Ger 201 Intermediate Ger.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
Zool 101 General Zoology	3 (3,0)
Zool 103 Gen. Zool. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)
	19

Bot 101 General Botany	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)
Chem 212 Quan. Analysis	3 (1,6)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Fr 202 Intermediate French	3 (3,0)
or Ger 202 Intermediate Ger.	3 (3,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)
	18

JUNIOR YEAR

Chem 221 Elem. Org. Chem.	5 (3,6)
Econ 201 Prin. of Economics	3 (3,0)
Engl 301 Public Speaking	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Electives	8
	19

Chem 222 Elem. Org. Chem.	5 (3,6)
Econ 202 Prin. of Economics	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Electives	11
	19

SENIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)	Hist 304 Hist. of Civ.	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Psych 302 Social Psychology	3 (3,0)
Hist 303 Hist. of Civ.	3 (3,0)	Soc 301 Intro. Sociology.....	3 (3,0)
Psych 301 Gen. Psychology	3 (3,0)	Zool 302 Embryology	3 (2,3)
Zool 301 Advanced Zoology	3 (2,3)	M S 402 Military Drill.....	0 (0,3)
M S 401 Military Drill.....	0 (0,3)	Approved Electives	6
Approved Electives	6		
	19		18

SCHOOL OF CHEMISTRY

CHEMISTRY

The Chemistry curriculum is designed to give the student a thorough knowledge of the fundamental principles of chemistry. The course is so arranged that each student takes approximately the same number of hours of work in each of the four fundamental branches of chemistry,—Inorganic, Analytical, Organic and Physical. Additional work may be scheduled in any of these fields in which the student is particularly interested. The number of allowable elective credits is great enough to enable the student to take work in related fields such as engineering, textile chemistry, physics, bacteriology, etc. Graduates of the Chemistry curriculum are prepared for employment in any of the chemical industries in laboratory, plant control or sales work, as well as in Government Laboratories or State Experiment Stations. Many of our graduates go to other institutions for graduate work and the number of our Chemistry graduates who have obtained graduate degrees is impressive. These men are well distributed through industry and research institutions.

CHEMISTRY

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry.....	4 (3,3)
D D 101 Freehand Drawing	1 (0,3)
Engl 101 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)
	18

Second Semester

Chem 104 General Chemistry.....	4 (3,3)
D D 102 Technical Drawing.....	1 (0,3)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)
	18

SOPHOMORE YEAR

Chem 215 Qual. Analysis	4 (2,6)	Chem 216 Quan. Analysis	4 (2,6)
Chem 221 Organic Chemistry	5 (3,6)	Chem 222 Organic Chemistry	5 (3,6)
Engl 203 Survey of Engl. Lit.	3 (3,0)	Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)	Math 204 Integral Calculus	5 (5,0)
M S 201 Military Drill	0 (0,3)	M S 202 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)	M S 204 M. S. & T.—Basic	1 (2,0)
	18		18

JUNIOR YEAR

Chem 321 Qual. Org. Anal.	4 (2,6)	Chem 312 Gas & Fuel Analysis	3 (1,6)
Chem 331 Physical Chemistry	3 (3,0)	Chem 332 Physical Chemistry	3 (3,0)
Chem 333 Physical Chem. Lab.	2 (0,6)	Chem 334 Physical Chem. Lab.	2 (0,6)
Ger 101 Beginner's German	3 (3,0)	Ger 102 Beginner's German	3 (3,0)
M S 301 Military Drill	0 (0,3)	M S 302 Military Drill	0 (0,3)
*Approved Electives	8	*Approved Electives	9
	20		20

SENIOR YEAR

Chem 401 Inorg. Chemistry	3 (3,0)	Chem 402 Inorg. Chemistry	3 (3,0)
Chem 411 Adv. Quant. Anal.	3 (1,6)	Chem 432 Colloid Chemistry	2 (2,0)
Chem 431 Colloid Chemistry	2 (2,0)	Chem 442 Chem. Literature	2 (1,3)
M S 401 Military Drill	0 (0,3)	M S 402 Military Drill	0 (0,3)
*Approved Electives	11	*Approved Electives	12
	19		19

* Electives:

For the degree of B. S. in Chemistry, a student must elect at least 18 hours in History, Government, Public Speaking, Economics, Sociology, Psychology, etc.

Suggested Electives:

Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Chem 441 Glass Manipulation	2 (0,6)
Chem 443 Research Problems	3 (0,9)
Chem 481 Phase Equilibria	2 (2,0)
Ger 201 Intermediate German	3 (3,0)
Math 305 Inter. Calculus	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Phys 301 Intro. to Mod. Phys.	3 (3,0)
Phys 441 Magn. and Elect.	4 (4,0)
Phys 443 Exp. Electricity	1 (0,3)

Suggested Electives:

Chem 444 Research Problems	3 (0,9)
Chem 454 Inorganic Synthesis	2 (0,6)
Chem 462 Technical Analysis	3 (1,6)
Chem 472 Organic Synthesis	4 (1,9)
Chem 482 Chem. Thermodynamics	3 (3,0)
Chem 484 Colloid Chem. Lab.	2 (0,6)
Geol 306 Mineralogy	4 (3,3)
Ger 202 Intermediate German	3 (3,0)
Math 306 Ord. Diff. Equa.	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Phys 452 Atom. & Nucl. Phys.	3 (3,0)

SCHOOL OF EDUCATION

The School of Education offers four-year curricula leading to the degree of Bachelor of Science in Education, Industrial Education and Vocational Agricultural Education. Courses are also made available for students of the other schools of the college. By making a proper program of studies it is possible for students to meet the professional requirements in subject matter and in education and to qualify for the teacher's certificate in this State. Students who are planning to teach are advised to plan not only their courses in education, but also their subject

matter courses so as to fulfill the State requirements in the state where they plan to teach. Students who are interested are invited to consult the Dean and other members of the Education staff for information.

Practice teaching in several subjects in cooperation with the State Department of Education and school systems constitutes part of the student's training.

The School of Education maintains a Teacher Placement Service with which students may register and from which employers may receive assistance. Both students and employers of teachers are invited to use this service.

EDUCATION

While the purpose of the curriculum in Education is to prepare teachers of general high school subjects, emphasis is placed upon the training of teachers in the various fields of science. The offerings of the other departments of the college make possible a wide selection of subject-matter courses in biology, chemistry, mathematics, English, history, civics, and physics. The majority of graduates enter the teaching profession, although some engage in related work such as athletic coaching.

Approval of electives by adviser is based on sequences appropriate to educational plan of the student.

EDUCATION

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
Educ 101 Orientation	1 (1,0)
Engl 101 Comp. and Lit.	3 (3,0)
Hist 101 American History	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Gov 101 Am. Nat'l. Govt.	3 (3,0)
Hist 102 American History	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

19

SOPHOMORE YEAR

Bot 101 General Botany	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)
Econ 201 Prin. of Economics	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)
Approved Electives	3

18

Econ 202 Prin. of Economics	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
Zool 101 General Zoology	3 (3,0)
Zool 103 Gen. Zool. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)
Approved Electives	3

18

JUNIOR YEAR

Bact 301 Gen. Bacteriology -----	3 (3,0)	Econ 312 Commercial Law -----	3 (3,0)
Bact 303 Gen. Bact. Lab. -----	1 (0,3)	Educ 302 Educ. Psychology -----	3 (3,0)
Educ 305 Prin. of Sec. Ed. -----	3 (3,0)	Geol 203 General Geology -----	3 (3,0)
Engl 301 Public Speaking -----	3 (3,0)	R S 459 The Rural Community -----	3 (3,0)
Soc 301 Intro. Sociology -----	3 (3,0)	M S 302 Military Drill -----	0 (0,3)
M S 301 Military Drill -----	0 (0,3)	Approved Electives -----	9
Approved Electives -----	6		
	19		21

SENIOR YEAR

Arch 409 Art Appreciation -----	3 (3,0)	Econ 301 Labor Problems -----	3 (3,0)
Educ 412 Directed Teaching -----	6 (1,15)	Educ 332 Org. of Courses -----	3 (3,0)
Educ 424 Tech. of Teaching -----	3 (3,0)	Gov 302 State and Local Gov. -----	3 (3,0)
Educ 458 Health Education -----	3 (3,0)	Soc 402 The Family -----	3 (3,0)
Music 402 Music Appreciation -----	3 (3,0)	M S 402 Military Drill -----	0 (0,3)
M S 401 Military Drill -----	0 (0,3)	Approved Electives -----	5
Approved Electives -----	3		
	21		17

INDUSTRIAL EDUCATION

The curriculum in Industrial Education is designed to prepare students to teach industrial subjects, industrial arts, drawing, manual training, and metal work in the high schools and to supervise the teaching of evening trade classes. Graduates become affiliated with high school industrial education departments as teachers, supervisors, and diversified-occupations specialists. Students who plan to teach in industrial communities may choose such electives in textiles, engineering, chemistry or agriculture as they have the background, prerequisites and interests. A few graduates secure employment in industry in special training programs.

INDUSTRIAL EDUCATION

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry -----	4 (3,3)
D D 105 Engr. Drawing -----	2 (0,6)
Educ 101 Orientation -----	1 (1,0)
Engl 101 Comp. and Lit. -----	3 (3,0)
In En 101 Metal Processes -----	2 (0,6)
Math 103 Freshman Math. -----	5 (5,0)
M S 101 Military Drill -----	0 (0,3)
M S 103 M. S. & T.—Basic -----	1 (2,0)

Second Semester

Chem 102 General Chemistry -----	4 (3,3)
D D 106 Engr. Drawing -----	2 (0,6)
Engl 102 Comp. and Lit. -----	3 (3,0)
Math 104 Freshman Math. -----	5 (5,0)
T M 101 Intro. to Textiles -----	3 (2,3)
M S 102 Military Drill -----	0 (0,3)
M S 104 M. S. & T.—Basic -----	1 (2,0)

COURSES OF STUDY

101

SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.	3 (3,0)	Bot 101 General Botany	3 (3,0)
In En 201 Metal Processes	2 (0,6)	Bot 103 Gen. Bot. Lab.	1 (0,3)
In En 205 Constr. Materials	2 (2,0)	Econ 201 Prin. of Economics ..	3 (3,0)
Phys 201 General Physics	3 (3,0)	Engl 204 Survey of Engl. Lit. ..	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)	In En 202 Wood Processes	2 (0,6)
Zool 101 General Zoology	3 (3,0)	In En 302 Welding	2 (1,3)
Zool 103 Gen. Zool. Lab.	1 (0,3)	Phys 202 General Physics	3 (3,0)
M S 201 Military Drill	0 (0,3)	Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)	M S 202 Military Drill	0 (0,3)
Approved Elective	3	M S 204 M. S. & T.—Basic	1 (2,0)
	19		19

JUNIOR YEAR

Arch 215 Bldg. Materials	2 (2,0)	Arch 216 Building Design	2 (2,0)
Educ 305 Prin. of Sec. Educ.	3 (3,0)	Educ 302 Educ. Psychology	3 (3,0)
Educ 307 Ind. Educ. Lab.	2 (0,6)	Educ 308 Ind. Educ. Lab.	2 (0,6)
E E 303 Elec. Cir. & Machines ..	4 (3,3)	E E 304 Voc. Electricity	2 (1,3)
Hist 303 History of Civ.	3 (3,0)	Engl 301 Public Speaking	3 (3,0)
In Ar 303 Industrial Arts	2 (1,3)	Hist 304 History of Civ.	3 (3,0)
M S 301 Military Drill	0 (0,3)	In Ar 304 Industrial Arts	2 (1,3)
Approved Electives	3	M S 302 Military Drill	0 (0,3)
	19	Approved Electives	3
			20

SENIOR YEAR

Arch 409 Art Appreciation	3 (3,0)	Arch 408 Industrial Design	1 (0,3)
Educ 402 Directed Teaching	6 (1,15)	Bact 301 Gen. Bacteriology	3 (3,0)
Educ 424 Tech. of Teaching	3 (3,0)	Bact 303 Gen. Bact. Lab.	1 (0,3)
Educ 458 Health Education	3 (3,0)	Educ 332 Org. of Courses	3 (3,0)
Music 402 Music Appreciation ..	3 (3,0)	Educ 421 Coor. Methods	2 (2,0)
M S 401 Military Drill	0 (0,3)	Soc 301 Intro. Sociology	3 (3,0)
Approved Electives	3	M S 402 Military Drill	0 (0,3)
	21	Approved Electives	3
			16

VOCATIONAL AGRICULTURAL EDUCATION

The proportion of graduates of the curriculum in Vocational Agricultural Education who enter the teaching of vocational agriculture in the public schools approaches one hundred per cent; a few, however, enter general and specialized farming and other agricultural occupations. After a few years of teaching experience, a number of graduates advance in the teaching profession or enter related agricultural work such as agricultural extension service, farm credit and rehabilitation work, and special government agencies.

VOCATIONAL AGRICULTURAL EDUCATION

FRESHMAN YEAR

First Semester

Agron 101 Farm Crops	3 (3,0)
Chem 101 General Chemistry	4 (3,3)
Educ 101 Orientation	1 (1,0)
Engl 101 Comp. and Lit.	3 (3,0)
Math 101 College Algebra	3 (3,0)
Zool 101 General Zoology	3 (3,0)
Zool 103 Gen. Zool. Lab.	1 (0,3)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

19

Second Semester

A H 101 Types and Breeds	2 (2,0)
A H 103 Types & Breeds Lab.	1 (0,3)
Bot 101 General Botany	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)
Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Math 102 Trigonometry	3 (3,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

18

SOPHOMORE YEAR

Chem 220 Organic Chemistry	4 (3,3)
Dairy 201 Dairying	3 (2,3)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Gov 101 Am. Nat'l. Gov't.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

18

Ag Ec 201 Agric. Economics	3 (3,0)
Ag En 201 Farm Machinery	3 (2,3)
Agron 202 Soils	3 (2,3)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Hort 201 Gen. Horticulture	3 (2,3)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

20

JUNIOR YEAR

Ag En 301 Soil Conservation	3 (2,3)
Agron 301 Fertilizers	3 (3,0)
Educ 301 Intro. to Educ.	3 (3,0)
P H 301 Farm Poultry	3 (3,0)
P H 303 Farm Poul. Lab.	1 (0,3)
R S 301 Rural Sociology	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

19

Suggested Electives:

A H 310 Pork Production	2 (2,0)
A H 314 Pork Prod. Lab.	1 (0,3)
Ent 301 Elem. & Econ. Ent.	3 (2,3)
Hort 305 Plant Propagation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

Ag En 205 Farm Shop	3 (2,3)
A H 301 Feeds and Feeding	3 (3,0)
Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Educ 302 Educ. Psychology	3 (3,0)
Engl 301 Public Speaking	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

19

Suggested Electives:

Ag Ec 460 Agric. Finance	3 (3,0)
For 205 Farm Forestry	2 (2,0)
For 207 Farm For. Lab.	1 (0,3)
Hort 306 Landscape Design	2 (2,0)
Hort 308 Landsc. Des. Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)

SENIOR YEAR

Arch 409 Art Appreciation	3 (3,0)
Bot 401 Plant Pathology	2 (2,0)
Bot 403 Plant Path. Lab.	1 (0,3)
Educ 401 Meth. in Ag. Ed.	3 (3,0)
Educ 403 Directed Teaching	3 (0,9)
Educ 453 Health Educ. for Tchrs.	3 (3,0)
M S 401 Military Drill	0 (0,3)
Approved Elective	3

18

Suggested Electives:

Ag Ec 309 Marketing	3 (2,3)
Hort 456 Truck Crops	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
R S 459 The Rural Community	3 (3,0)
V S 401 Anat. & Physiology	3 (2,3)

Ag Ec 302 Farm Management	4 (3,3)
Educ 404 Directed Teaching	3 (0,9)
Educ 422 Prob. in Adult Educ.	3 (3,0)
Hort 464 Food Preservation	3 (2,3)
Music 402 Music Appreciation	3 (3,0)
M S 402 Military Drill	0 (0,3)
Approved Elective	3

19

Suggested Electives:

Ag Ec 451 Econ. of Cooperation	3 (3,0)
Hort 452 Commrl. Pomology	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
V S 402 Animal Diseases	3 (2,3)

SCHOOL OF ENGINEERING

Seven curricula are offered under the School of Engineering including Architecture, Architectural Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. The curricula in Civil, Electrical, and Mechanical Engineering are accredited by the Engineers Council for Professional Development.

While the School of Engineering does not offer specific options or majors under each of these curricula, the training includes many phases of each respective field. Thus, a Civil Engineering student is graduated in Civil Engineering rather than hydraulic engineering, highway engineering, sanitary engineering or other such options, but the curriculum in Civil Engineering includes definite training along these lines. In the same way, the other engineering curricula include thorough training in various phases of the field of specialization without over-emphasizing one phase to the neglect of others.

All engineering consists of the application of the laws of physics, chemistry, and mathematics to the solution of specific problems. Furthermore, any engineer must be able to express his ideas both in words and in drawings. For these two reasons the first two years of all the branches of engineering here listed are substantially the same and deal largely with the fundamentals mentioned above.

An engineer in any branch should understand the methods of fabrication of machine parts and the possibilities and limitations of various methods. For this reason shop courses are included in all engineering curricula. These courses are not manual training in nature and do not deal with the acquisition of specific skills.

In all curricula, over-specialization is carefully avoided by the inclusion of subjects which involve the most direct application of the basic sciences and which serve to develop habits of orderly analysis and logical thinking.

ARCHITECTURE AND ARCHITECTURAL ENGINEERING

The full professional courses in Architecture and Architectural Engineering as given below lead to the Bachelor of Science degree in the respective courses at the end of the fourth year, and to the Bachelor of Architecture degree at the end of the fifth year. The two courses are the same in the freshman and sophomore years. Those students interested in architectural design continue in the course in Architecture and those interested in construction pursue the course in Architectural Engineering.

The courses are broad in scope, fitting the graduate not only for the practice of architecture, but for a number of allied professions. All work is individual and every effort is made to develop the students' individuality, imagination and creative ability. Skillful draftsmanship and artistic presentation are insisted upon.

The South Carolina State Board of Architectural Examiners accepts the diploma of this department as equivalent to two years' work in a practicing architect's office, otherwise required. The department is a member of the Association of Collegiate Schools of Architecture.

As Architecture is one of the fine arts much time is given to freehand drawing, color work, history of architecture, painting and sculpture. Architectural design and building construction are the two major subjects and greatest attention is paid to them throughout the entire course. The two courses parallel each other and insofar as feasible are integrated one with the other. In these the student is given a written program of requirements of a building or group of buildings and under the criticism of the instructor creates a design embodying his own ideas.

Fundamental courses are given in mathematics, graphic statics, strength of materials, reinforced concrete, steel, building materials and details, and in working drawings which consist of complete plans and specifications for a building prepared as in the office of the practicing architect.

The architectural library adjoining the drafting rooms is a working library with many volumes concerning architecture and

allied subjects, photographic plans and illustrations, lantern slides, drawings, models and files of the leading architectural magazines, both American and foreign. Books of this type purchased by the main College library are deposited in the architectural library. In the structural drafting room is a complete built-in exhibit of building materials and appliances especially arranged for instructional purposes.

Each spring students are expected to take an educational trip to a large city to study examples of architecture and construction.

Six weeks of practical architectural work approved by the architectural faculty are required for graduation.

ARCHITECTURE

FRESHMAN YEAR

First Semester

Arch 101 Elements of Design.....	2 (0,6)
Arch 105 Freehand Presen	3 (0,9)
Chem 101 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

18

Second Semester

Arch 102 Arch. Design.....	3 (0,9)
Arch 106 Freehand Represen.....	2 (0,6)
Chem 102 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

18

SOPHOMORE YEAR

Arch 201 Arch. Design.....	4 (0,12)
Arch 205 Elem. Water Color.....	2 (0,6)
Arch 215 Building Materials.....	2 (2,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 201 Diff. Calculus.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

19

Arch 202 Arch. Design.....	4 (0,12)
Arch 206 Adv. Water Color.....	1 (0,3)
Arch 216 Building Design.....	2 (2,0)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 202 Integral Calculus.....	3 (3,0)
Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

18

JUNIOR YEAR

Arch 301 Arch. Design.....	5 (0,15)
Arch 305 Delineation.....	1 (0,3)
Arch 309 Hist. of Arch.....	3 (3,0)
Arch 317 Working Drawings.....	2 (1,3)
Mech 302 Statics.....	3 (3,0)
Mech 306 Graphic Statics.....	1 (0,3)
M S 301 Military Drill.....	0 (0,3)
Approved Elective	3

18

Arch 302 Arch. Design.....	5 (0,15)
Arch 306 Delineation.....	1 (0,3)
Arch 310 Hist. of Arch.....	2 (2,0)
Arch 318 Working Drawings.....	2 (1,3)
Engl 301 Public Speaking.....	3 (3,0)
Mech 304 Mech. of Matr.....	3 (3,0)
M S 302 Military Drill.....	0 (0,3)
Elective	3

19

SENIOR YEAR

Arch 401 Arch. Design.....	6 (0,18)	Arch 402 Arch. Design.....	6 (0,18)
Arch 411 Hist. of Arch.....	2 (2,0)	Arch 412 Hist. of Arch.....	3 (3,0)
Arch 415 Building Design.....	2 (2,0)	Arch 416 Specs. & Prof. Prac.....	2 (2,0)
Arch 417 Working Drawings.....	2 (0,6)	Arch 418 Construction.....	2 (2,0)
Arch 419 Mech. Plant.....	2 (1,3)	Arch 420 Mech. Plant.....	2 (1,3)
C E 409 Reinf. Concrete.....	4 (3,3)	M S 402 Military Drill.....	0 (0,3)
M S 401 Military Drill.....	0 (0,3)	Elective	5
Approved Elective	2		
	20		20

FIFTH YEAR

Arch 431 Arch. Des. & City Plan.....	7 (0,21)	Arch 432 Arch. Design.....	7 (0,21)
Arch 439 Hist. of Arch.....	3 (3,0)	Arch 440 Hist. of Arch.....	3 (3,0)
Arch 445 Construction.....	1 (0,3)	Arch 446 Construction.....	1 (0,3)
C E 319 Photogrammetry.....	3 (2,3)	Arch 452 Thesis.....	3
Elective	6	C E 416 Contracts.....	2 (2,0)
	20	Elective	3
			19

Four-year course leads to the degree of Bachelor of Science in Architecture.

Five-year course leads to the degree of Bachelor of Architecture.

ARCHITECTURAL ENGINEERING

The curriculum in Architectural Engineering is subject to revision before the beginning of the 1950-51 Session.

FRESHMAN YEAR

First Semester

Arch 101 Elements of Design.....	2 (0,6)
Arch 105 Freehand Presen.....	3 (0,9)
Chem 101 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

18

Second Semester

Arch 102 Arch. Design.....	3 (0,9)
Arch 106 Freehand Represen.....	2 (0,6)
Chem 102 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

18

SOPHOMORE YEAR

Arch 201 Arch. Design.....	4 (0,12)	Arch 202 Arch. Design.....	4 (0,12)
Arch 205 Elem. Water Color.....	2 (0,6)	Arch 206 Adv. Water Color.....	1 (0,3)
Arch 215 Building Materials.....	2 (2,0)	Arch 216 Building Design.....	2 (2,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 201 Diff. Calculus.....	3 (3,0)	Math 202 Integral Calculus.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)	Phys 202 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)	M S 204 M. S. & T.—Basic.....	1 (2,0)

19

18

JUNIOR YEAR

Arch 301 Arch. Design.....	5 (0,15)	Arch 302 Arch. Design.....	5 (0,15)
Arch 305 Delineation.....	1 (0,3)	Arch 306 Delineation.....	1 (0,3)
Arch 309 Hist. of Arch.....	3 (3,0)	Arch 310 Hist. of Arch.....	2 (2,0)
Arch 317 Working Drawings.....	2 (1,3)	Arch 318 Working Drawings.....	2 (1,3)
C E 101 Intro. Surveying.....	2 (1,3)	C E 309 Stress Analysis.....	2 (0,6)
Mech 302 Statics.....	3 (3,0)	Mech 304 Mech. of Matr.....	3 (3,0)
Mech 306 Graphic Statics.....	1 (0,3)	M S 302 Military Drill.....	0 (0,3)
M S 301 Military Drill.....	0 (0,3)	Approved Elective.....	3
Approved Elective.....	3		
	20		18

SENIOR YEAR

Arch 419 Mech. Plant.....	2 (1,3)	Arch 416 Spec. & Prof. Prac.....	2 (2,0)
Arch 425 Building Design.....	2 (2,0)	Arch 428 Working Drawings.....	4 (1,9)
Arch 427 Working Drawings.....	4 (1,9)	C E 409 Reinf. Concrete.....	4 (3,3)
C E 310 Elementary Design.....	2 (0,6)	C E 415 Soil Mechanics.....	3 (2,3)
Engl 301 Public Speaking.....	3 (3,0)	M S 402 Military Drill.....	0 (0,3)
M S 401 Military Drill.....	0 (0,3)	Technical Elective.....	3
Technical Elective.....	4	Approved Elective.....	3
Approved Elective.....	3		
	20		19
Technical Electives:		Technical Electives:	
Arch 447 City Planning.....	3 (1,6)	Arch 448 City Planning.....	3 (1,6)
E E 303 Elec. Circuits & Mach.....	4 (3,3)	C E 416 Contracts.....	2 (2,0)
		M E 302 Mech. Engr.....	3 (3,0)
		M E 304 Mech. Engr.....	1 (0,3)
General Electives:		General Electives:	
Econ 201 Prin. of Economics.....	3 (3,0)	Econ 202 Prin. of Economics.....	3 (3,0)
Econ 301 Labor Problems.....	3 (3,0)	Econ 302 Money and Banking.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)	Elective English.....	3 (3,0)
Elective English.....	3 (3,0)	Gov 302 State and Local Gov.....	3 (3,0)
Hist 303 Hist. of Civ.....	3 (3,0)	Gov. 43 Internat'l. Relat.....	2 (2,0)
Phys 301 Int. to Mod. Phys.....	3 (3,0)	Hist 304 Hist. of Civ.....	3 (3,0)
Phys 303 Exp. in Mod. Phys.....	1 (0,3)	Psych 302 Social Psychology.....	3 (3,0)
Psych 301 Gen. Psychology.....	3 (3,0)	Soc 301 Intro. Sociology.....	3 (3,0)

CERAMIC ENGINEERING

The ceramic industries have as their raw materials the non-metallic minerals other than fuels. These minerals constitute over 90 percent of the earth's crust while the industries dependent on them comprise almost one-third the entire field of industrial activity. Ceramic industries produce products in eight major classifications: structural clay products; glass; pottery; refractories abrasives; cements; limes and plaster; enameled metals; thermal and electrical insulation.

South Carolina possesses a wide variety of ceramic minerals which rank with the forests as the richest natural resources in the State. The presence of kaolin, silica, limestone, shale, kyanite, pyrophyllite, sericite, topaz, feldspar, vermiculite, sillimanite, talc, corundum, mica, spodumene, monazite, diatomaceous, earth and fuller's earth make it possible for South Carolina to contribute

raw materials to every major classification of the ceramic industries. The Portland Cement, glass, sewer pipe, brick flower pot, thermal insulation, refractory and pottery industries of the State indicate the diversity of ceramic industries which South Carolina is capable of supporting.

The ceramic industrial growth of South Carolina has been retarded by the absence of persons with a knowledge of ceramic manufacturing processes. The ceramic industries of today are no longer small colorful enterprises which can be operated by persons of dubious skill. Instead they are large manufacturing plants requiring trained engineers for their supervision. The growth of South Carolina's ceramic industries is dependent on the availability of trained engineers capable of incorporating and operating the modern techniques and equipment of the ceramic industries.

The demand for ceramic engineers has not been satisfied by American Colleges for many years including the years of the last depression. The curriculum in Ceramic Engineering is offered with the aim of partially supplying the demand for ceramic engineers in this region and providing trained engineers for the development of the latent resources of South Carolina.

The curriculum in Ceramic Engineering leads to the degree of Bachelor of Ceramic Engineering. The course is based on a thorough study of the sciences of chemistry, physics and mathematics. Advanced courses are designed to apply these fundamental sciences to Ceramic Engineering. A knowledge is required of the fundamentals of civil, electrical, and mechanical engineering. Extensive work is required in mechanical drawing. The need for a knowledge of the identification and occurrence of the numerous ceramic raw materials is satisfied with courses in geology, mineralogy and petrography. In the Ceramic Engineering courses, emphasis is placed on the processes of manufacture common to all the ceramic industries while the more advanced courses are concerned with the characteristics peculiar to specific classifications of the ceramic industries. The course in plant design offered in the senior year requires the application of principles acquired in previous courses. The Ceramic Engineering student may choose certain elective courses from the humanistic and social subjects.

An excellent ceramic laboratory has been equipped to demonstrate all the processes of ceramic manufacturing, including beneficiation of ores and clays, grinding and crushing materials, mixing and blending raw materials, forming the materials into various shapes, and drying and firing the prepared objects. Equipment for the control of industrial processes is studied and tests are made to determine the quality of various ceramic products. Well-equipped laboratories are available for research on raw materials and problems of ceramic industries in South Carolina.

Ceramic Engineering graduates find employment as plant executives, research engineers, plant-control engineers, sales engineers, product control engineers, plant designers and constructors, equipment manufacturers, consulting engineers, and ceramic chemists and technologists.

CERAMIC ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or C E 101 Intro. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
C E 101 Intro. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Geol 406 Engr. Geology.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

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Cr En 202 Ceramic Materials.....	2 (2,0)
Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

20

JUNIOR YEAR

Cr En 301 Drying & Firing.....	5 (3,6)
Geol 306 Mineralogy.....	4 (3,3)
M E 305 Heat Power.....	3 (3,0)
M E 309 Mechanical Lab.....	1 (0,3)
Mech 302 Statics.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)
*Approved Elective.....	3

19

Chem 336 Physical Chemistry.....	5 (3,6)
Geol 302 Optical Mineralogy.....	4 (3,3)
M E 306 Heat Power.....	3 (3,0)
M E 310 Mechanical Lab.....	1 (0,3)
Mech 303 Kinetics.....	3 (3,0)
M S 302 Military Drill.....	0 (0,3)
*Approved Elective.....	3

19

SENIOR YEAR

Cr En 401 Silicates.....	5 (3,6)	Cr En 402 Refractories.....	3 (3,0)
Cr En 405 Plant Design.....	3 (0,9)	Cr En 404 Enamels.....	3 (3,0)
E E 303 Elec. Circuits & Machines.....	4 (3,3)	Cr En 406 Ceramic Project.....	2 (0,6)
Mech 304 Mech. of Matr.....	3 (3,0)	Cr En 408 Plant Design.....	2 (0,6)
Mech 305 Mech. of Matr. Lab.....	1 (0,3)	Engl 301 Public Speaking.....	3 (3,0)
M S 401 Military Drill.....	0 (0,3)	Engl 302 Business Law.....	3 (3,0)
*Approved Elective.....	2	M S 402 Military Drill.....	0 (0,3)
		*Approved Elective.....	3

18

19

*Electives: A student who does not take advanced ROTC is required to take most, if not all, his electives from the humanistic social studies.

CHEMICAL ENGINEERING

The curriculum in Chemical Engineering is designed to give a sound training in Chemical Engineering for those who wish to enter the process industries. In addition to the direct work in Unit Operations and Unit Processes, a solid background of chemistry, mathematics, physics, and general engineering is provided. The ever changing and increasingly complex chemical industry demands a well trained, adaptive personnel. The rule-of-thumb methods of the turn of the century are no longer adequate for the chemical engineer's principal tasks, design and operation of process plants and converting the discoveries of the research laboratory into industrial reality.

Chemical Engineering graduates are principally employed in direct manufacturing, research and development work, technical service, and in the sales divisions of chemical and allied industrial organizations.

CHEMICAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or C E 101 Intro. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T. Basic.....	1 (2,0)

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Second Semester

Chem 104 General Chemistry.....	4 (3,3)
C E 101 Intro. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

17

SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
In En 201 Metal Processes.....	2 (0,6)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

20

Ch En 202 Intro. to Chem. Engr.....	3 (3,0)
Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

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JUNIOR YEAR

Ch En 301 Prin. Chem. Engr.	3 (3,0)	Ch En 302 Prin. Chem. Engr.	3 (3,0)
Ch En 305 Unit Operations	1 (0,3)	Ch En 306 Unit Operations	1 (0,3)
Chem 221 Organic Chemistry	5 (3,6)	Chem 222 Organic Chemistry	5 (3,6)
Chem 331 Physical Chemistry	3 (3,0)	Chem 332 Physical Chemistry	3 (3,0)
Chem 333 Phys. Chem. Lab.	2 (0,6)	Chem 334 Phys. Chem. Lab.	2 (0,6)
Mech 302 Statics	3 (3,0)	Mech 303 Kinetics	3 (3,0)
M S 301 Military Drill	0 (0,3)	M S 302 Military Drill	0 (0,3)
Approved Elective	3	Approved Elective	3
	20		20

SENIOR YEAR

Ch En 401 Prin. Chem. Engr.	3 (3,0)	Ch En 404 Chem. Industries	3 (3,0)
Ch En 403 Chem. Industries	3 (3,0)	Ch En 406 Ind. Chem. Calc.	2 (2,0)
Ch En 405 Unit Operations	2 (0,6)	Ch En 410 Plant Design	2 (0,6)
Ch En 409 Plant Design	2 (0,6)	Ch En 412 Thesis	3 (0,9)
Ch En 415 Ch. En. Seminar	0 (1,0)	Ch En 416 Ch. En. Seminar	0 (1,0)
E E 303 Elec. Circuits & Mach.	4 (3,3)	M E 302 Mech. Engr.	3 (3,0)
M S 401 Military Drill	0 (0,3)	M E 304 Mech. Engr. Lab.	1 (0,3)
Approved Electives	4	M S 402 Military Drill	0 (0,3)
	18	Approved Elective	3

Suggested Electives:

Chem 431 Colloid Chemistry	2 (2,0)
Econ 201 Prin. of Economics	3 (3,0)
Econ 301 Labor Problems	3 (3,0)
Econ 401 Accounting	3 (3,0)
Elective English	3 (3,0)
Hist 303 Hist. of Civ.	3 (3,0)
Modern Language	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)

Suggested Electives:

Chem 432 Colloid Chemistry	2 (2,0)
Econ 202 Prin. of Economics	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Elective English	3 (3,0)
Gov 43 Internat'l. Relat.	2 (2,0)
Hist 304 Hist. of Civ.	3 (3,0)
Modern Language	3 (3,0)
Phys 452 Atom and Nucl. Ph.	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)

CIVIL ENGINEERING

The course in Civil Engineering leads to the degree of Bachelor of Civil Engineering. It is planned to equip the student with a working knowledge of those subjects which are fundamental in the field of civil engineering.

Civil engineering is the broadest in scope of the engineering professions, being the parent stem from which most of the other branches of engineering have developed. All branches of civil engineering rest on a comparatively compact body of principles, in which the students are thoroughly trained in the class room, the drafting room, the field and the laboratory. Particular effort is made to develop those qualities essential to success in any field of endeavor and to fit the graduate to become a useful citizen—a good business man as well as a successful engineer.

The civil engineering graduate is prepared to work in a junior position in practically all of the civil engineering fields, including surveying and mapping, design and construction of

bridges, buildings, railways, highways, hydraulic, municipal and sanitary works. Here he will find opportunity for professional advancement through further study in the field of his choice.

In addition to the required technical studies, broadening training in the field of humanities is given.

A summer surveying camp between the sophomore and junior years is normally an integral part of the course in Civil Engineering, but this feature was suspended during the war, and has not yet been reinstated.

CIVIL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3.3)
D D 105 Engr. Drawing	2 (0.6)
Engr 101 Comp. and Lit.	3 (3.0)
In En 101 Metal Processes	2 (0.6)
or C E 101 Intro. Surveying	2 (1.3)
Math 103 Freshman Math.	5 (5.0)
M S 101 Military Drill	0 (0.3)
M S 103 M. S. & T.—Basic	1 (2.0)

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Second Semester

Chem 102 General Chemistry	4 (3.3)
C E 101 Intro. Surveying	2 (1.3)
or In En 101 Metal Processes	2 (0.6)
D D 106 Engr. Drawing	2 (0.6)
Engr 102 Comp. and Lit.	3 (3.0)
Math 104 Freshman Math.	5 (5.0)
M S 102 Military Drill	0 (0.3)
M S 104 M. S. & T.—Basic	1 (2.0)

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SOPHOMORE YEAR

C E 201 Surveying	2 (2.0)
C E 203 Topog. Survey. & Map.	1 (0.3)
C E 205 C. E. Problems	2 (1.3)
Engr 203 Survey of Engr. Lit.	3 (3.0)
Math 203 Diff. Calculus	5 (5.0)
Phys 211 G. Phys. for Engr.	4 (4.0)
Phys 213 Gen. Phys. Lab.	1 (0.3)
M S 201 Military Drill	0 (0.3)
M S 203 M. S. & T.—Basic	1 (2.0)

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C E 202 Surveying	2 (2.0)
Engr 204 Survey of Engr. Lit.	3 (3.0)
Math 204 Integral Calculus	5 (5.0)
Mech 302 Statics	3 (3.0)
Mech 306 Graphic Statics	1 (0.3)
Phys 212 G. Phys. for Engr.	4 (4.0)
Phys 214 Gen. Phys. Lab.	1 (0.3)
M S 202 Military Drill	0 (0.3)
M S 204 M. S. & T.—Basic	1 (2.0)

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C E 300 Summer Surveying Camp ----- 2

JUNIOR YEAR

C E 305 Route Surveying	3 (3.0)
C E 309 Stress Analysis	2 (0.6)
Econ 201 Prin. of Economics	3 (3.0)
E E 303 Elec. Circuits & Mach.	4 (3.3)
Mech 304 Mech. of Matr.	3 (3.0)
Mech 305 Mech. Matr. Lab.	1 (0.3)
M S 301 Military Drill	0 (0.3)
Approved Elective	3

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C E 306 Roads & Pavements	4 (3.3)
C E 310 Elementary Design	2 (0.6)
Engr 301 Public Speaking	3 (3.0)
Geol 406 Engr. Geology	3 (3.0)
M E 302 Mech. Engr.	3 (3.0)
M E 304 Mech. Engr. Lab.	1 (0.3)
M S 302 Military Drill	0 (0.3)
Approved Elective	3

19

SENIOR YEAR

C E 401 Structural Design -----	3 (2,3)	Bact 406 Sanitary Bact. -----	3 (3,0)
C E 405 Road Lab. -----	1 (0,3)	Bact 408 San. Bact. Lab. -----	1 (0,3)
C E 409 Reinf. Concrete -----	4 (3,3)	C E 402 Structural Analysis -----	2 (2,0)
C E 415 Soil Mechanics -----	3 (2,3)	C E 406 Road Lab. -----	1 (0,3)
Mech 401 Fluid Mechanics -----	3 (3,0)	C E 410 Mun. & San. Engr. -----	5 (5,0)
Mech 403 Fluid Mech. Lab. -----	1 (0,3)	C E 416 Contracts -----	2 (2,0)
M S 401 Military Drill -----	0 (0,3)	M S 402 Military Drill -----	0 (0,3)
Approved Elective -----	3	Technical Elective -----	2
		Approved Elective -----	3

Suggested Electives:	18	Suggested Electives:	19
C E 417 City Planning -----	2 (2,0)	Econ 202 Prin. of Economics -----	3 (3,0)
C E 412 Reinf. Concrete Design -----	2 (0,6)	Econ 302 Money and Banking -----	3 (3,0)
C E 452 Adv. Struct. Anal. -----	2 (2,0)	Hist 304 Hist. of Civ. -----	3 (3,0)
C E 499 Thesis -----	1 - 3	In En 302 Welding -----	2 (1,3)
Econ 301 Labor Problems -----	3 (3,0)	Math 306 Ord. Diff. Equa. -----	3 (3,0)
Econ 401 Accounting -----	3 (3,0)	Mech 460 Hydrology -----	3 (3,0)
Hist 303 Hist. of Civ. -----	3 (3,0)	Mech 462 Water Power Engr. -----	3 (3,0)
In En 205 Constr. Materials -----	2 (2,0)	Phys 304 Descript. Astronomy -----	3 (3,0)
Math 305 Intermediate Calc. -----	3 (3,0)	Psych 302 Social Psychology -----	3 (3,0)
Phys 301 Int. to Mod. Phys. -----	3 (3,0)	Religion -----	3 (3,0)
Phys 303 Exp. in Mod. Phys. -----	1 (0,3)	Soc 301 Intro. Sociology -----	3 (3,0)
Psych 301 Gen. Psychology -----	3 (3,0)		
Religion -----	3 (3,0)		

ELECTRICAL ENGINEERING

Engineering deals fundamentally with the control of the energies of nature. Electrical Engineering is that branch of engineering which embraces the conversion of primary energy into electrical form, the transmission and the application of this energy to innumerable devices designed for human service. Some of the more notable applications are domestic appliances, illumination, transportation, communication, and industry motorization.

The curriculum for students in Electrical Engineering contains a selected series of fundamental studies which enable the student to enter any division of the field of Electrical Engineering. In addition the curriculum includes a selected group of broadening and cultural studies.

The first two years are devoted largely to basic sciences and other subjects prerequisite to the general field of engineering. The work of the last two years is more specialized and embraces required and elective courses which are pertinent to the two major fields, Power Engineering and Communication Engineering.

The theoretical courses in science and engineering are paralleled and reinforced by strong laboratory courses through which the student may make his own determinations of the

characteristics of engineering materials and machines and other electrical devices. The laboratories are well equipped for this work.

The entire course is directed toward the development of initiative and self-reliance, so that the student may enter his chosen field with reasonable hope of usefulness and success.

ELECTRICAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Intro. Survey.	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 105 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

E E 211 Electric Circuits	3 (3,0)
Econ 201 Prin. of Economics	3 (3,0)
or In En 201 Metal Processes	2 (0,6)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	0 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)
M S or A S II	

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E E 212 Electric Fields	3 (2,3)
Engl 204 Survey of Engl. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
or Econ 201 Prin. of Econ.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)
M S or A S II	

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JUNIOR YEAR

E E 311 D. C. Machinery	4 (3,3)
E E 315 A. C. Circuits	3 (3,0)
Engl 301 Public Speaking	3 (3,0)
M E 305 Heat Power	3 (3,0)
M E 309 Mechanical Lab.	1 (0,3)
Mech 302 Statics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

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E E 316 A. C. Circuits	4 (3,3)
E E 320 Electronics	4 (3,3)
M E 306 Heat Power	3 (3,0)
M E 310 Mechanical Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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SENIOR YEAR

E E 411 A. C. Machinery	5 (3,6)
E E 415 Advanced Circuits	3 (3,0)
Hist 301 U. S. since 1865	3 (3,0)
M S 401 Military Drill	0 (0,3)
Technical Elective	5
Approved Elective	3

E E 412 A. C. Machinery	4 (3,3)
M E 420 Administration	3 (3,0)
Mech 304 Mech. of Matr.	3 (3,0)
M S 402 Military Drill	0 (0,3)
Technical Elective	7
Approved Elective	3

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Suggested Technical Electives:	
E E 405 Electrical Design	1 (0,3)
E E 406 Electrical Design	1 (0,3)
E E 422 Elect. Distribution	2 (2,0)
E E 426 Elect. Transients	3 (2,3)
E E 427 Adv. A. C. Mach.	3 (3,0)
E E 431 Radio Communication	4 (3,3)
E E 432 Radio Communication	4 (3,3)
E E 433 Indus. Electronics	3 (2,3)
E E 436 Rad. & Wave Prop.	3 (2,3)
Math 306 Differential Equations ..	3 (3,0)
M E 411 Heat Power	3 (3,0)
M E 413 Heat Power Lab.	2 (0,6)
M E 426 Steam Turbines	3 (3,0)
Mech 401 Fluid Mechanics	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)

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Suggested General Electives:	
Econ 202 Prin. of Econ.	3 (3,0)
Econ 301 Labor Problems	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Econ 401 Accounting	3 (3,0)
Elective English	3 (3,0)
Gov 43 Internat'l. Relations	2 (2,0)
Hist 303 Hist. of Civ.	3 (3,0)
Hist 304 Hist. of Civ.	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)

MECHANICAL ENGINEERING

Mechanical Engineering deals largely with the production of power from prime sources of energy and the design of the wide variety of mechanisms involved in the production and use of this power and, therefore, necessitates a study of thermodynamics, mechanics, strength of materials, metallurgy, and hydraulics.

The economic aspects of all engineering are emphasized as much as possible and the program is conducted so as to encourage orderly habits of attack and analysis with the main emphasis on why rather than how.

Mechanical Engineering graduates work with the production of power from fuel and water, with the construction and operation of machines used in manufacturing, and with the operation of power industries and manufacturing plants. In addition to the power companies and large electric and manufacturing concerns where many graduates are employed, opportunities are numerous in the automotive, aeronautical, railroad, air conditioning and refrigeration industries. The vast power developments and manufacturing uses of power promise even greater opportunities for mechanical engineers.

MECHANICAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Intro. Survey.	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
or In En 202 Wood Proc.	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)
M E 211 Mech. Engr.	2 (2,0)
M E 213 Engr. Problems	1 (0,3)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

Engl 204 Survey of Engl. Lit.	3 (3,0)
In En 202 Wood Processes	2 (0,6)
or In En 201 Metal Processes	2 (0,6)
Math 204 Integral Calculus	5 (5,0)
Mech 302 Statics	3 (3,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

D D 305 Kinematics of Mach.	2 (1,3)
Econ 201 Prin. of Economics	3 (3,0)
E E 307 D. C. Cir. & Mach.	4 (3,3)
M E 311 Heat Power	3 (3,0)
M E 313 Heat Power Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

D D 306 Machine Design	2 (1,3)
E E 303 A. C. Cir. & Mach.	4 (3,3)
Engl 301 Public Speaking	3 (3,0)
M E 312 Heat Power	3 (3,0)
M E 314 Heat Power Lab.	1 (0,3)
Mech 304 Mech. of Matr.	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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SENIOR YEAR

Hist 301 U. S. since 1865	3 (3,0)
M E 411 Heat Power	3 (3,0)
M E 413 Heat Power Lab.	2 (0,6)
Mech 401 Fluid Mechanics	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)
M S 401 Military Drill	0 (0,3)
*Technical Elective	5
Approved Elective	3

In En 402 Metallurgy	3 (2,3)
M E 412 Heat Power	3 (3,0)
M E 414 Heat Power Lab.	2 (0,6)
M E 420 Administration	3 (3,0)
M S 402 Military Drill	0 (0,3)
*Technical Elective	6
Approved Elective	3

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* 4 semester hours of Design required in the Senior year.

Technical Electives:	
C E 309 Stress Analysis	2 (0,6)
M E 417 Design	2 (1,3)
M E 421 Gas Engines	3 (3,0)
M E 423 Gas Engine Design	1 (0,3)
M E 429 Heating and Vent.	2 (2,0)
M E 431 Heat. & Vent. Des.	1 (0,3)
M E 433 Elem. Aerodynamics	2 (2,0)
Mech 460 Hydrology	3 (3,0)
Mech 462 Water Power Engr.	3 (3,0)
General Electives:	
Econ 301 Labor Problems	3 (3,0)
Econ 401 Accounting	3 (3,0)
Hist 303 Hist. of Civ.	3 (3,0)
Math 305 Intermediate Calc.	3 (3,0)
Math 453 Advanced Calculus	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
T M 401 Textile Costing	5 (3,6)
T M 403 Textile Management	3 (3,0)
T M 454 Time Study	3 (2,3)

Technical Electives:	
E E 320 Electronics	4 (3,3)
M E 418 Design	2 (1,3)
M E 426 Steam Turbines	3 (3,0)
M E 428 Steam Turbine Design	1 (0,3)
M E 430 Air Conditioning	2 (2,0)
M E 432 Air Cond. Des.	1 (0,3)
M E 434 Refrigeration	2 (2,0)
General Electives:	
Econ 202 Prin. of Economics	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Elective English	3 (3,0)
Hist 304 Hist. of Civ.	3 (3,0)
Math 306 Ord. Diff. Equa.	3 (3,0)
Math 454 Advanced Calculus	3 (3,0)
Phys 452 Atom and Nucl. Ph.	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Rel 201, 203 or 305	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)
T M 101 Intro. to Textiles	3 (2,3)

SCHOOL OF TEXTILES

The great majority of the textile corporations which produce textiles on the cotton system are now located in the Southeastern States, centering in South Carolina and neighboring states. This makes Clemson College an appropriate institution for college training in this field.

There is a trend in the demand for some graduates with training in the basic engineering sciences; therefore, the Textile Engineering course has been modified to meet this demand.

The Clemson Textile School now offers three courses leading to the degree of Bachelor of Science: Textile Chemistry, Textile Engineering, and Textile Manufacturing. Knitting is offered as an option under Textile Manufacturing.

The Sirrine Foundation. The funds in this foundation have been contributed by the textile companies in the State and now total nearly one million dollars, which figure is expected to be exceeded soon. The interest from this large fund is used exclusively for the School of Textiles at Clemson, primarily to improve the teaching staff. Under the present plans, the textile faculty is benefiting in three ways. (1) For all faculty members retiring with the rank of associate or full professor, the retirement payments by the State are enhanced to 85 percent of the member's full salary (to 100 percent for heads of departments). (2) The foundation contributes half of the salary for an extra professor in each of three departments. The additional faculty members have research projects but take classes for short periods to enable the regular teachers to visit mills, attend conferences, etc. (3) The foundation greatly increases the travel funds to aid the visitation and study of the mills in the State. Plans for the use of additional funds are to be announced later.

TEXTILE CHEMISTRY

The work of textile chemists includes the various phases of textile coloring, bleaching, printing, dyeing, and finishing of textile yarns and fabrics, as well as the manufacture and sale of dyestuffs. Graduates have positions such as bleachery chemist, dye foreman, designer, laboratory chemist, textile chemist, research assistant, and sales representative.

TEXTILE CHEMISTRY

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
Gov 101 Am. Nat'l. Gov't.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)

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Second Semester

Chem 104 General Chemistry	4	(3,3)
D D 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 104 Freshman Math.	5	(5,0)
T M 101 Intro. to Textiles	3	(2,3)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)

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SOPHOMORE YEAR

Chem 215 Qual. Analysis	4	(2,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)
Phys 201 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)
W D 201 Fabric Design	3	(2,3)
M S 201 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)

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Chem 216 Quan. Analysis	4	(2,6)
Econ 201 Prin. of Economics	3	(3,0)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 204 Integral Calculus	5	(5,0)
Phys 202 General Physics	3	(3,0)
Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 202 Military Drill	0	(0,3)
M S 204 M. S. & T.—Basic	1	(2,0)

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JUNIOR YEAR

Chem 331 Physical Chemistry	3	(3,0)
Chem 333 Phys. Chem. Lab.	2	(0,6)
Engl 301 Public Speaking	3	(3,0)
T C 305 Textile Chemistry	4	(4,0)
T C 307 Tex. Chem. Lab.	1	(0,3)
Y M 305 Cotton Marketing	1	(0,3)
M S 301 Military Drill	0	(0,3)
*Approved Elective	3	

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Chem 332 Physical Chemistry	3	(3,0)
Chem 334 Phys. Chem. Lab.	2	(0,6)
Econ 312 Commercial Law	3	(3,0)
T C 306 Textile Chemistry	4	(4,0)
T C 308 Tex. Chem. Lab.	1	(0,3)
M S 302 Military Drill	0	(0,3)
*Approved Electives	6	

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SENIOR YEAR

Chem 431 Colloid Chemistry	2	(2,0)
T C 410 Color Match. & Test.	1	(0,3)
T C 447 Chem. Proc. Tex.	4	(4,0)
T C 449 Ch. Pr. Tex. Lab.	1	(0,3)
T C 455 Cellulose Chem.	3	(3,0)
T M 462 Textile Microscopy	2	(1,3)
T M 464 Phys. Tex. Testing	2	(1,3)
M S 401 Military Drill	0	(0,3)
*Approved Elective	4	

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Chem 432 Colloid Chemistry	2	(2,0)
T C 442 Thesis	2	(0,6)
T C 452 Chem. Proc. Tex.	4	(4,0)
T C 454 Ch. Pr. Tex. Lab.	1	(0,3)
T C 456 Syn. Fbrs. & Fin.	2	(2,0)
T M 454 Time Study	3	(2,3)
M S 402 Military Drill	0	(0,3)
*Approved Elective	5	

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*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Government and History except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:

Ag Ec 401 Statistics	3	(2,3)
Arch 409 Art Appreciation	3	(3,0)
Ch En 301 Prin. Chem. Engr.	3	(3,0)
Ch En 305 Unit Operations	1	(0,3)
Ch En 405 Unit Operations	2	(0,6)
Chem 401 Inorganic Chemistry	3	(3,0)
Chem 411 Adv. Quant. Anal.	3	(1,6)
E E 303 Elec. Circuits & Mach.	4	(3,3)
Ent 501 Elem. & Econ. Ent.	3	(2,3)
Ent 401 Econ. Entomology	3	(2,3)
Geog 801 Economic Geography	3	(3,0)

Other Suggested Electives:

Ag Ec 352 Public Finance	3	(3,0)
Ch En 302 Prin. Chem. Engr.	3	(3,0)
Ch En 306 Unit Operations	1	(0,3)
Ch En 406 Ind. Chem. Calc.	2	(2,0)
Chem 462 Technical Analysis	3	(1,6)
Chem 472 Organic Synthesis	4	(1,9)
Geog 302 Geopolitics	3	(3,0)
Geol 806 Mineralogy	4	(3,3)

TEXTILE ENGINEERING

Students following the Textile Engineering curriculum receive instruction in basic textile courses for a total of thirty-six college credits; the remainder are in Physics, Mathematics, English, Economics, and Mechanical and Electrical Engineering. Graduates in this course are prepared to enter the research and development fields which are being emphasized by the textile industry, and they are also prepared to go forward with post-graduate studies.

TEXTILE ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Intro. Surveying	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
Y M 201 Blend. & Cleaning	3 (2,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

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Engl 204 Survey of Eng. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Mech 302 Statics	3 (3,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
Y M 202 Carding	3 (2,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

D D 305 Kinematics of Mach.	2 (1,3)
E E 307 D. C. Cir. & Mach.	4 (3,3)
Mech 303 Kinetics	3 (3,0)
W D 201 Fabric Design	3 (2,3)
W D 205 Cam Loom Mech.	1 (0,3)
Y M 301 Roving Frames	3 (2,3)
M S 301 Military Drill	0 (0,3)
*Approved Elective	3

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D D 306 Machine Design	2 (1,3)
E E 308 A. C. Cir. & Mach.	4 (3,3)
Mech 304 Mech. of Matr.	3 (3,0)
W D 202 Fabric Design	2 (1,3)
W D 206 Cam Loom Mech.	2 (1,3)
Y M 302 Spinning	3 (2,3)
M S 302 Military Drill	0 (0,3)
*Approved Elective	3

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SENIOR YEAR

Econ 201 Prin. of Economics	3 (3,0)
Engl 301 Public Speaking	3 (3,0)
M E 305 Heat Power	3 (3,0)
M E 309 Mechanical Lab.	1 (0,3)
T M 401 Textile Costing	5 (3,6)
T M 403 Textile Management	3 (3,0)
M S 401 Military Drill	0 (0,3)
*Approved Elective	3

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Econ 312 Commercial Law	3 (3,0)
M E 306 Heat Power	3 (3,0)
M E 310 Mechanical Lab.	1 (0,3)
T M 454 Time Study	3 (2,3)
T M 462 Textile Microscopy	2 (1,3)
T M 464 Phys. Tex. Testing	2 (1,3)
W D 305 Lobby & Box Mech.	1 (0,3)
M S 402 Military Drill	0 (0,3)
*Approved Elective	3

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*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Mechanics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Government and History; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:

Ag Ec 401 Statistics	3 (2,3)
Arch 409 Art Appreciation	3 (3,0)
Geog 301 Economic Geography	3 (3,0)
Gov 301 Am. G. & Pol. Par.	3 (3,0)
In En 205 Construction Materials	2 (2,0)
M E 421 Gas Engines	3 (3,0)
M E 423 Gas Engines Design	1 (0,3)
M E 429 Heating and Vent.	2 (2,0)
M E 431 Heat. & Vent. Des.	1 (0,3)

Other Suggested Electives:

Ag Ec 352 Public Finance	3 (3,0)
E E 320 Electronics	4 (3,3)
Geog 302 Geopolitics	3 (3,0)
In En 302 Welding	2 (1,3)
In En 402 Metallurgy	3 (3,0)
M E 430 Air Conditioning	2 (2,0)
M E 432 Air Cond. Des.	1 (0,3)
M E 434 Refrigeration	2 (2,0)

TEXTILE MANUFACTURING

The Textile Manufacturing curriculum is followed by those textile students who intend to enter the production and management phases of the textile industry. Those students who desire training in the knitting field may elect to take the Knitting Option under Textile Manufacturing during the Junior and Senior years. The curriculum shows that they receive sixty-five of their college credits in subjects taught in the Textile School and that they are well prepared for rapid advancement in textile plants. It is recommended that all textile undergraduates find work in textile mills during summer vacations. This experience always aids them in their upperclass textile courses and also allows the students to make contacts with possible future employers.

TEXTILE MANUFACTURING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
Gov 101 Am. Nat'l. Gov't.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
T M 101 Intro. to Textiles	3 (2,3)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Econ 201 Prin. of Economics	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
W D 201 Fabric Design	3 (2,3)
W D 205 Cam Loom Mech.	1 (0,3)
Y M 201 Blend. & Cleaning	3 (2,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

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Econ 202 Prin. of Economics	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
W D 202 Fabric Design	2 (1,3)
W D 206 Cam Loom Mech.	2 (1,3)
Y M 202 Carding	3 (2,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

Engl 301 Public Speaking	3 (3.0)	Econ 312 Commercial Law	3 (3.0)
T C 301 Textile Chemistry	2 (2.0)	T C 302 Textile Chemistry	2 (2.0)
T C 303 Tex. Chem. Lab.	1 (0.3)	T C 304 Tex. Chem. Lab.	1 (0.3)
W D 301 Fab. Struc. & Des.	2 (1.3)	W D 302 Fab. Analysis	2 (1.3)
W D 305 Dobby & Box Mech.	1 (0.3)	W D 306 Jacquard Mech.	2 (1.3)
W D 309 Knitting	1 (0.3)	Y M 302 Spinning	3 (2.3)
Y M 301 Roving Frames	3 (2.3)	Y M 305 Cotton Marketing	1 (0.3)
M S 301 Military Drill	0 (0.3)	Y M 306 Combing	2 (1.3)
*Approved Electives	6	M S 302 Military Drill	0 (0.3)
		*Approved Elective	3

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SENIOR YEAR

Econ 401 Accounting	3 (3.0)	Soc 301 Intro. Sociology	3 (3.0)
T C 401 Chem. Proc. Tex.	2 (2.0)	T C 402 Chem. Proc. Tex.	2 (2.0)
T C 403 Ch. Pr. Tex. Lab.	1 (0.3)	T C 404 Ch. Pr. Tex. Lab.	1 (0.3)
T M 401 Textile Costing	5 (3.6)	T M 454 Time Study	3 (2.3)
T M 403 Textile Management	3 (3.0)	T M 462 Textile Microscopy	2 (1.3)
W D 401 Warp Preparation	2 (1.3)	T M 464 Phys. Tex. Testing	2 (1.3)
M S 401 Military Drill	0 (0.3)	W D 402 Fabric Development	2 (1.3)
*Approved Elective	3	M S 402 Military Drill	0 (0.3)
		*Approved Electives	6

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*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Education (if nine credits completed, accepting credit for lower course if it is a prerequisite), Government and History except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:

Ag Ec 401 Statistics	3 (2.3)
Arch 409 Art Appreciation	3 (3.0)
Geog 301 Economic Geography	3 (3.0)

Other Suggested Electives:

Ag Ec 352 Public Finance	3 (3.0)
Geog 302 Geopolitics	3 (3.0)

KNITTING OPTION

This option for the Junior and Senior years has been set up under Textile Manufacturing to embrace every phase of the knitting industry. Students will study such fields as circular body knitting and design, circular hosiery knitting and design, flat and warp knitting, full fashioned knitting, knit garment manufacture, dyeing and finishing of knit goods, and knitting mill practices. Because of the selected courses in this curriculum, students will not only be prepared for the knitting trade, but for almost any other field in textiles, especially yarn manufacturing.

JUNIOR YEAR

First Semester

Engl 301 Public Speaking	3 (3.0)
Soc 301 Intro. Sociology	3 (3.0)
T C 301 Textile Chemistry	2 (2.0)
T C 303 Tex. Chem. Lab.	1 (0.3)
W D 309 Knitting	1 (0.3)
W D 311 Flat Knitting Mech.	2 (1.3)
Y M 301 Roving Frames	3 (2.3)
Y M 305 Cotton Marketing	1 (0.3)
M S 301 Military Drill	0 (0.3)
Approved Elective	3

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Second Semester

Econ 312 Commercial Law	3 (3.0)
T C 302 Textile Chemistry	2 (2.0)
T C 304 Tex. Chem. Lab.	1 (0.3)
W D 310 Adv. Hos. Knitting	3 (2.3)
W D 312 Knit. Design & Anal.	2 (1.3)
Y M 302 Spinning	3 (2.3)
Y M 306 Combing	2 (1.3)
M S 302 Military Drill	0 (0.3)
Approved Elective	3

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SENIOR YEAR

Econ 401 Accounting.....	3 (3,0)	T C 402 Chem. Proc. Tex.....	2 (2,0)
T C 401 Chem. Proc. Tex.....	2 (2,0)	T C 404 Ch. Pr. Tex. Lab.....	1 (0,3)
T C 403 Ch. Pr. Tex. Lab.....	1 (0,3)	T M 403 Textile Management.....	3 (3,0)
T M 401 Textile Costing.....	5 (3,6)	T M 462 Textile Microscopy.....	2 (1,3)
T M 454 Time Study.....	3 (2,3)	T M 464 Textile Testing.....	2 (1,3)
W D 411 Full Fashion Knit.....	2 (1,3)	W D 410 Body Wear Knit.....	2 (1,3)
M S 401 Military Drill.....	0 (0,3)	W D 412 Knit. Garment Mfg.....	2 (1,3)
Approved Elective	4	M S 402 Military Drill.....	0 (0,3)
		Approved Electives	6

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DESCRIPTION OF COURSES

AGRICULTURAL ECONOMICS

	MR. AULL	
MR. FERRIER	MR. PETERSON	MR. BAUKNIGHT
MR. HUSMANN	MR. STEPP	

Ag Ec 201—INTRODUCTION TO AGRICULTURAL ECONOMICS—3 cr. (3 and 0)

A study of the economics of agricultural production and marketing and of the economic principles that are important in analyzing economic phenomena having direct or indirect effects upon the incomes and living standards of farm people.

AGRICULTURAL ECONOMICS STAFF

Ag Ec 302—FARM MANAGEMENT—4 cr. (3 and 3)

A study of business principles underlying the organization and operation of individual farms. Such factors as proper balance between enterprises and use of sound agronomic principles are considered from the viewpoint of continuous profits. *Prerequisite:* Ag Ec 201

MR. HUSMANN MR. BAUKNIGHT

Ag Ec 305—FARM ACCOUNTING—2 cr. (1 and 3)

Double-entry bookkeeping is stressed in the foundation of this course. Study is then made of special journals, simplifications for farm record keeping, farm inventories, farm budgets, interpretation of financial statements and the factor method of farm business analysis.

MR. FERRIER

Ag Ec 309—AGRICULTURAL MARKETING—3 cr. (2 and 3)

Examination is made of the characteristics of demand for and supply of farm products and the marketing system which brings them together, the changes which are taking place in marketing, and ways and means of narrowing the spread between farm and retail prices. *Prerequisites:* Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 352—PUBLIC FINANCE—3 cr. (3 and 0)

A study of the principles of financing government, sources of public revenue, objects of public expenditure, problems of fiscal administration, and the application of fiscal policies in stabilizing the national economy.

MR. AULL

AG EC 356—AGRICULTURAL-INDUSTRIAL RELATIONS—3 cr. (3 and 0)

A study of the ways in which and the degrees to which agriculture and industry are dependent upon each other for sound economic prosperity and development, and of the effects upon agriculture of various types of activities in other segments of the national and international economy. *Prerequisites*: Ag Ec 201 or Econ 201 and 202.

MR. STEPP

AG EC 401—Statistics—3 cr. (2 and 3)

An elementary course dealing with organization and presentation of statistical data, measures of central tendency, sampling, and the usual statistical tests of significance and reliability.

MR. PETERSON

AG EC 405—SEMINAR—1 cr. (1 and 0)

An examination of the relation of economics and sociology to specific problems. *Prerequisite*: Senior standing and major in Agricultural Economics.

MR. AULL AND STAFF

AG EC 406—SEMINAR—1 cr. (1 and 0)

A continuation of Ag Ec 405.

MR. AULL AND STAFF

AG EC 451—ECONOMICS OF COOPERATION—3 cr. (3 and 0)

A study of the principles governing cooperative business enterprise and methods of applying these principles to purchasing, selling, processing, and financing in agriculture. Major emphasis is placed upon the possibilities and limitations of cooperation in increasing the incomes of farmers or rendering them better services for their money. *Prerequisites*: Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 452—AGRICULTURAL POLICY—3 cr. (3 and 0)

A critical examination of government policies and programs affecting agriculture.

MR. AULL

AG EC 455—INTERNATIONAL TRADE—3 cr. (3 and 0)

A study of the principles governing interregional and international trade. Attention is devoted to competition between regions and nations, to regulatory and monetary measures that promote or retard the flow of trade, to the causes and effects of regional and national differences in incomes and levels of living, to the domestic and international effects of various monetary and credit policies, and to the effects of monopoly and government restrictions upon the international price structure of various commodities. *Prerequisite*: Permission of the instructor.

MR. STEPP

AG EC 456—PRICES—3 cr. (3 and 0)

A study of the factors affecting prices of farm products and the adjustments necessary to meet price changes, including such topics as prices of farm products in relation to agricultural and industrial conditions, measures of value, parity price concept, and price movements. *Prerequisites*: Ag Ec 201 or Econ 201 and 202, and permission of instructor.

MR. PETERSON

AG EC 460—AGRICULTURAL FINANCE—3 cr. (3 and 0)

A critical study of the financial needs of agriculture and of the organization, functions and interrelationships of agencies developed to meet these needs. *Prerequisites*: Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 501—ADVANCED FARM MANAGEMENT—3 cr. (2 and 3)

Study and appraisal of methods of assembling and analyzing information concerning the business of farming. *Prerequisites*: Ag Ec 302 and Ag Ec 401.

MR. HUSMANN

AG EC 502—ADVANCED STATISTICS—3 cr. (2 and 3)

A study of methods used in collecting, analyzing and presenting statistical data, with special emphasis upon economic and sociological problems. *Prerequisite*: Ag Ec 401 or permission of instructor.

MR. PETERSON

AG EC 503—LAND ECONOMICS—3 cr. (3 and 0)

A study of characteristics of land and its relation to population, utilization and public policies.

MR. HUSMANN

AG EC 505—ECONOMIC THEORY—3 cr. (3 and 0)

A review of economic principles, a study of the use of theory in the analysis of economic problems, and an appraisal of recent developments in capitalistic economic theory.

MR. STEFF

AG EC 506—RESEARCH METHODOLOGY—1 cr. (1 and 0)

A critical examination and appraisal of methods and procedures used in economic and social investigations.

MR. AULL

AG EC. 507—AGRICULTURAL MARKETING PROBLEMS—3 cr. (3 and 0)

A study of special problems involved in marketing southern fruits, vegetables, livestock and livestock products. Students will undertake individual assignments in the field of their interest.

MR. FERRIER

AG EC 509—RESEARCH IN ECONOMIC PROBLEMS AFFECTING AGRICULTURE—3 cr.

AG EC 510—RESEARCH IN ECONOMIC PROBLEMS AFFECTING AGRICULTURE—3 cr.

A continuation of Ag Ec 509.

AGRICULTURAL ENGINEERING

MR. NUTT

MR. McADAMS

MR. HAMMETT

MR. SNELL

MR. RICHARDSON

MR. ROGERS

AG EN 201—FARM MACHINERY—3 cr. (2 and 3)

Construction, adjustment, operation, maintenance and adaptation of farm machinery. Special emphasis is given to production, harvesting and processing problems common to the Southeast.

MR. RICHARDSON

MR. HAMMETT

MR. ROGERS

AG EN 202—FARM EQUIPMENT—3 cr. (2 and 3)

A general study of all equipment used for modern farming practices. Special emphasis is placed on proper selection for the job, adaptation to special conditions, care, adjustments, and operation.

MR. ROGERS

AG EN 203—AGRICULTURAL ENGINEERING PROBLEMS—2 cr. (1 and 3)

A detailed study of the slide rule to familiarize the student with all the scales and their efficient use. Logical approach to all types of problems will be stressed. Neatness and accuracy in all computations will be emphasized and a review of the application of trigonometric functions and logarithms will be made. *Prerequisite:* Math 103 and 104.

MR. McADAMS MR. ROGERS

AG EN 205—FARM SHOP—3 cr. (2 and 3)

To train students in the proper use and maintenance of hand shop tools commonly found on the farm. Principal topics: Measuring and marking, sawing, planing and smoothing, wood chisels and their use, boring and drilling holes, wood fastenings, painting, finishing, glazing, cutting rafters, sharpening tools, bench and vise work, bolt threading, pipe fitting, soldering and farm concrete work. A course for agricultural and agricultural education students.

MR. McADAMS

AG EN 207—FARM MECHANICS—2 cr. (1 and 3)

A course in which the student acquires certain skills in the use of all types of tools and equipment necessary for the care and maintenance of farm machines and farm structures.

MR. McADAMS

AG EN 301—SOIL CONSERVATION—3 cr. (2 and 3)

Causes, extent and control of erosion; uses of irrigation, layout, construction and maintenance of terrace systems; drainage, elementary surveying. A course for agricultural and agricultural education students.

MR. SNELL

AG EN 304—RURAL ELECTRIFICATION—3 cr. (2 and 3)

Distribution and utilization of electrical power on farms and rural areas. Special emphasis is given to adequate wiring and adaptation of electrical appliances to the farm home and in the production and primary processing of farm commodities. *Prerequisite:* E E 303.

MR. HAMMETT

AG EN 351—FARM TRACTORS—3 cr. (2 and 3)

History of the internal combustion engine, principles of operation, power and its measurements, valves, carburetion and fuel injection, ignition systems, engine cooling, clutches, transmissions, brakes, final drives, engine troubles and general repair. Tractor servicing and efficient operation in the field.

MR. MCADAMS

AG EN 352—FARM POWER—3 cr. (2 and 3)

A detailed study of farm tractors and stationary power units. Principles of operation, preventative maintenance, adjustment and general repair will be emphasized. A course designed for Agricultural and Agricultural Education majors. *Prerequisite:* AG En 201.

MR. ROGERS

AG EN 401—SOIL AND WATER CONSERVATION ENGINEERING—3 cr. (2 and 3)

The causes, extent, and control of erosion. Embodies study of elementary meteorology and hydrology, critical runoffs, design and construction of water-control structures such as terraces, outlet channels, diversions, reservoirs, spillways, drainage systems. Recommended *prerequisite:* C E 101, Agron 202, and Mech 401.

MR. SNELL

AG EN 402—DRAINAGE AND IRRIGATION—3 cr. (2 and 3)

Survey of areas for drainage rainfall and runoff, drainage requirements, design and construction of open ditch and tile systems. Gravity and sprinkler irrigation systems studied as well as water requirements and the use of pumps. *Prerequisite:* C E 101 and Mech 401.

MR. SNELL

AG EN 406—ADVANCED FARM MACHINERY—3 cr. (2 and 3)

This course is designed for seniors majoring in agricultural engineering. Design, development, manufacturing, advertising and sales of farm machinery are considered. *Prerequisite:* Ag En 201 and 351.

MR. NUTT

AG EN 409—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

This course is provided to acquaint the student with research technique in the agricultural engineering field. *Prerequisite:* Senior standing in Agricultural Engineering.

AGRICULTURAL ENGINEERING STAFF

AG EN 410—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

A continuation of Ag En 409.

AGRICULTURAL ENGINEERING STAFF

AG EN 451—FARM STRUCTURES—3 cr. (2 and 3)

This course is planned to develop within the student an appreciation and understanding of the problems involved in determining the functional requirements of farm structures for livestock, crop storage and processing, as well as the analysis and determination of structural requirements for various types of buildings. The use and workability of materials available for construction of farm buildings are also included. *Prerequisite:* M E 302 and 304.

MR. RICHARDSON

AG EN 452—ADVANCED FARM STRUCTURES—3 cr. (2 and 3)

A continuation of Ag En 451 with emphasis on farmstead arrangement and layout, design and evaluation of farm structure requirements, bills of materials and specifications. *Prerequisite:* Ag En 451

MR. RICHARDSON

AGRONOMY

MR. COLLINGS	MR. COOPER	
	MR. J. W. JONTS	MR. SHELLEY
	MR. C. M. JONES	

AGRON 101—FARM CROPS—3 cr. (3 and 0)

A fundamental course in general field crops including the study of the origin, botanical characteristics, varieties, breeding, soil adaptation,

fertilizer requirements, and cultural methods employed in the production of the most important field crops of South Carolina and the United States.

MR. C. M. JONES

ACRON 202—SOILS—3 cr. (2 and 3)

A study of the basic principles of soil physics, soil fertility, and soil biology as they apply to the production of crops. The course deals with the soil as a reservoir for water, a medium for root development, a source of nutrients, and a home for organisms. *Prerequisite:* Chem 101 and 102.

MR. COLLINGS AND STAFF

ACRON 301—FERTILIZERS AND MANURES—3 cr. (3 and 0)

A study of the sources, mining and manufacturing, composition, physical characteristics, and use of fertilizers and manures. A detailed study is also made of crop responses to fertilizer use. *Prerequisite:* Agron 202

MR. COLLINGS

ACRON 302—GENETICS—3 cr. (2 and 3)

The purpose of this course is to instruct students in the basic principles of genetics. The principal topics studied include heredity and variation, laws of inheritance, physical basis of inheritance, origin of hereditary differences, and the inheritance of quantitative characters.

MR. J. W. JONES

ACRON 306—FORAGE CROPS—3 cr. (3 and 0)

A course dealing with the characteristics of the various forage crops, with emphasis being laid on those grown in this state. These crops are studied with special reference to their adaptations, growing, harvesting, composition, value and uses, and also with reference to their place in our cropping system. *Prerequisite:* Agron 101

MR. SHELLEY

ACRON 401—ADVANCED CROP LABORATORY—1 cr. (0 and 3)

A study of the laboratory procedures used in field crop laboratories, followed by a detailed study of the morphological characters, classification, and yielding capacities of important varieties of various farm crops. In addition, attention is given to the study of seed laws, market grades of grains, seed germination and purity tests, and weed identification.

MR. SHELLEY

ACRON 405—PLANT BREEDING—3 cr. (2 and 3)

The purpose of this course is to present the application of the basic principles of genetics to the improvement of crop plants. Principal topics studied include the genetic and cytogenetic basis of plant breeding, mode of reproduction in relation to breeding methods, technics in selfing and crossing, methods of breeding, inheritance in the major farm crops, and biometrical methods. *Prerequisite:* Agron 302

Mr. J. W. JONES

ACRON 409—COTTON AND TOBACCO—3 cr. (3 and 0)

A study of the history, morphology, physiology, fertilization, cultivation, insect and disease control, varieties, breeding, harvesting, grading and marketing of American Upland cotton and flue cured tobacco. The two crops are studied separately, about half a semester being devoted to each. *Prerequisite:* Agron 101

Mr. SHELLEY

ACRON 451—MINERAL NUTRITION OF PLANTS—2 cr. (2 and 0)

In this course attention is given to the nutrition of crop plants and the nutrient requirements of various soils for different crops.

Mr. COOPER

ACRON 452—SOIL CLASSIFICATION, FERTILITY, AND MANAGEMENT—2 cr. (2 and 0)

An advanced study of soil composition, soil classification, and soil management practices. Attention is given to the subject of physical and chemical composition of the soil, influence of crop rotations and fertilizers on soil productivity, influence of various methods of tillage on crop yields, and a general study is made of those factors essential for the practical utilization of soils. *Prerequisite:* Agron 202, Agron 301, and Major in Agronomy

Mr. COLLINGS

ACRON 454—ADVANCED SOIL LABORATORY—1 cr. (0 and 3)

A laboratory course designed to teach students laboratory technique and to make students proficient in making simple physical and chemical determinations of soils. *Prerequisite:* Agron 202

Mr. COLLINGS

ACRON 455—SEMINAR—1 cr. (1 and 0)

A study of current agronomic topics of special interest in crop production appearing in recent scientific journals and other publications.

MR. COOPER AND STAFF

ACRON 456—SEMINAR—1 cr. (1 and 0)

A study of the latest published and available unpublished information concerning recent developments in the field of soil science. Topics for discussion are taken from latest published bulletins, reports, and professional magazines.

MR. COLLINGS

ACRON 457—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

The purpose of this course is to instruct students in the methods employed in attacking and solving an agronomic research problem. A suitable research problem is assigned each student for solution. The results of this study are presented in thesis form.

MR. COLLINGS

ACRON 458—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

A continuation of Agron 457.

MR. COLLINGS

ACRON 501—ADVANCED NUTRITION OF CROPS—3 cr.

A graduate course dealing with the relationships existing between the physical and chemical properties of the various nutrient elements and their absorption and utilization by plants.

MR. COOPER

ACRON 502—ADVANCED PEDOLOGY AND SOIL CLASSIFICATION—3 cr.

A graduate course dealing largely with the factors of soil formation and soil classification. A thorough study is made of such factors of soil formation as parent material, topography, climate, and organisms. Particular attention is given to the classification of Southeastern soils.

MR. COLLINGS

AGRON 503—ADVANCED CROP PRODUCTION—3 cr.

A graduate course dealing with specific problems commonly encountered in the production of crops in the Southeast. Major attention is given to the problems met with in the production of cotton, bright tobacco, corn and oats.

MR. COLLINGS

AGRON 504—ADVANCED PLANT BREEDING AND GENETICS—3 cr.

A graduate course designed to acquaint the student with the best methods now employed in the production and development of superior strains of plants. Visits will be made to neighboring plant breeding establishments and their methods will be observed.

MR. J. W. JONES

AGRON 505—RESEARCH—3 cr.

A graduate course in research methods.

AGRON 506—RESEARCH—3 cr.

A graduate course in research methods.

AIR SCIENCE

MAJ. MYERS

MAJ. HUENERS

1ST LT. DALTON

T/SGT. FRIAS

CAPT. BEAVEN

M/SGT. DAVIS

S/SGT. PERRY

M/SGT. MEDLOCK

A S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in military courtesy, customs, discipline, and leadership. Principal topics include: duties of the individual airman, wearing of the uniform, duties of leaders, military commands and orders, guard duty, drill for foot troops, with and without arms, mechanics, characteristics and care of rifle, carbine and pistol, military formations and ceremonies.

STAFF

A S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 101. Principal additional topics include formal military ceremonies, development of the command voice and formal and informal guard mount.

STAFF

A S 103—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

General instruction in military subjects. Principal topics include military policy of the United States, National Defense Act and ROTC, geographical foundations of national power, military organization, mobilization, demobilization and hygiene and first aid.

MAJOR MYERS

A S 104—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

A continuation of A S 103. Principal topics include military problems of the United States, psychology and personnel management, maps, and aerial photographs. *Prerequisite:* A S 103

MAJOR MYERS

A S 201—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 102.

STAFF

A S 202—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 201.

STAFF

A S 209—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

An introduction to air force specialized subjects including aerodynamics, propulsion, weather, navigation and applied air power. *Prerequisite:* A S 104

CAPTAIN BEAVEN LT. DALTON

A S 210—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

A continuation of A S 209. Principal topics include an introduction to aircraft maintenance engineering, the maintenance mission, reciprocating engines, compound engines, and jet propulsion engines. *Prerequisite:* A S 209

CAPTAIN BEAVEN LT. DALTON

A S 301—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 202. Principal additional topics include voice, command and psychology of leadership.

STAFF

A S 302—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 301.

STAFF

A S 309—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training in subjects pertaining to aircraft maintenance engineering. Principal topics include psychology of leadership, aircraft structures and component parts, maintenance and inspection procedures, technical publications, aircraft instruments, propellers, and electrical systems. *Prerequisite:* A S 210

CAPTAIN BEAVEN

A S 310—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of A S 309. Principal topics include aircraft fuel, oil and hydraulic systems, air operations and logistics. *Prerequisite:* A S 309

CAPTAIN BEAVEN

A S 401—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 302.

STAFF

A S 402—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 401.

STAFF

A S 409—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training designed to qualify the Air ROTC student as an aircraft maintenance engineering officer. Principal topics include military administration, air force supply, ground service equipment and organization and field maintenance. *Prerequisite:* A S 310

LT. DALTON

A S 410—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of A S 409. Principal topics include military teaching methods, air force management, engine operation, cruise control, test flight and the air inspector. *Prerequisite:* A S 409

LT. DALTON

ANIMAL HUSBANDRY

	MR. STARKEY	
*MR. RITCHIE	MR. GODLEY	MR. WHEELER
MR. COOK	*MR. RICHARDSON	

A H 101, 103—TYPES AND BREEDS—3 cr. (2 and 3)

A study of types, breeds, and market classes of beef cattle, horses, sheep, and swine. In laboratory the judging of farm animals is given considerable emphasis.

MR. GODLEY

A H 301—FEEDS AND FEEDING—3 cr. (3 and 0)

A study of feed nutrients, digestion, metabolism of feed stuffs, nutritive ratios, feeding standards, and the balancing of rations. *Prerequisite:* A H 101, 103 and Chem 220.

MR. COOK

A H 303—FEEDS AND FEEDING LABORATORY—1 cr. (0 and 3)

Practical work in mixing and balancing rations and identifying feed stuffs. *Prerequisite:* A H 101, 103 and Chem 220

MR. COOK

A H 306—JUDGING—1 cr. (0 and 3)

Judging classes of cattle, horses, sheep, and swine. An advanced course in the selection and judging of breeding and fat animals. *Prerequisite:* A H 101 and 103

MR. COOK

A H 310, 314—PORK PRODUCTION—3 cr. (2 and 3)

Feeding, breeding, management, and marketing of hogs. Emphasis is placed on winter and summer forages, protein supplements, mineral mixtures, and sanitation. *Prerequisite:* A H 301

MR. STARKEY

*On leave

A H 312—BREEDS OF LIVESTOCK—2 cr. (2 and 0)

A study of the origin, characteristics, and adaptability of the different breeds of livestock: beef cattle, swine, sheep and horses. *Prerequisite:* A H 101 and 103

MR. COOK

A H 401, 403—BEEF PRODUCTION—3 cr. (2 and 3)

A study of the early history of beef production, beef production in foreign countries, relation of beef production to general farming, most profitable feeds for beef production, methods of breeding to improve beef cattle, and management of the purebred herd. *Prerequisite:* A H 301

MR. STARKEY

A H 402—HORSE AND SHEEP PRODUCTION—3 cr. (3 and 0)

A study of the breeding, feeding, training, stabling, and care of horses. Also a study of the breeding, feeding, shearing, and marketing of sheep. The adaptability of breeds. Parasites and diseases. *Prerequisite:* A H 301

MR. GODLEY

A H 405—ADVANCED JUDGING—1 cr. (0 and 3)

A continuation of A H 306 designed for students who are interested in participating in judging contests or in receiving special training in the selection of breeding stock. *Prerequisite:* A H 306

MR. COOK

A H 406—SEMINAR—2 cr. (2 and 0)

Special problems in animal production. Each student is given a subject on which he makes weekly reports of progress before the seminar group. A thesis is required. *Prerequisite:* A H 301

MR. STARKEY

A H 451—ADVANCED FEEDS—2 cr. (2 and 0)

A study of the relative values of the different feeds used in livestock production. The nutrient requirements of the different classes of livestock, and the digestible nutrients in our most common feeds. The balancing of rations for all classes of livestock. *Prerequisite:* A H 301

MR. STARKEY

A H 452, 454—ANIMAL BREEDING—3 cr. (2 and 3)

A study of the fundamental principles relating to the breeding and improvement of livestock including variation, heredity, selection, line-breeding, inbreeding, cross-breeding, breed analysis, and other related subjects. *Prerequisite:* Dairy 301 or Agron 302

MR. GODLEY

A H 455—FARM MEATS—2 cr. (0 and 6)

A study of the selection and killing of meat animals and the cutting, curing, and preservation of farm meats. Also the production, judging, and consumption of farm meats. *Prerequisite:* A H 101 and 103

MR. WHEELER

A H 456, 458—ADVANCED MEATS—2 cr. (1 and 3)

A study of the retail and wholesale cuts of meat; the making of sausage and meat specialties; and meat hygiene. *Prerequisite:* A H 455

MR. WHEELER

A H 501—ANIMAL HISTOLOGY—3 cr. (2 and 3)

This course is to acquaint the student with the microscopic structures of the tissues and organs of the animal body. The relation of histology to physiology and pathology is considered. *Prerequisite:* Zool 101 and 103

ANIMAL HUSBANDRY STAFF

A H 502—ANIMAL HUSBANDRY RESEARCH—2 cr. (1 and 3)

Special problems conducted by the student, consisting of lectures, assignments, and laboratory.

MR. STARKEY

ARCHITECTURE

MR. ST. HUBERT	MR. GATES	
MR. LONGSTREET	MR. McMILLIN	MR. BOOKER
MR. DILLON	MR. PETROFF	MR. McCULLOCH
MR. HODGE	MR. PUTNAM	MR. WILKINS
	MR. SHEPARD	

ARCH 101—ELEMENTS OF DESIGN—2 cr. (0 and 6)

This course acquaints the beginner with the fundamentals of architecture, in which an effort is made to give an accurate picture of the profession

of architecture. Basic training is given in graphics, descriptive geometry, and abstract design. Graphics includes an elementary study of plans, details, lettering, drafting, and a brief study of the orders. Descriptive geometry embraces the study of planes, projections, true lengths of lines, isometric drawings, and sections.

MR. SHEPARD

ARCH 102—ARCH DESIGN—3 cr. (0 and 9)

The design of simple buildings to be developed in the terms of basic elements of circulation, functional relationship of rooms and space as well as interior and exterior appearance. *Prerequisite:* Arch 101

MR. SHEPARD

ARCH 105—FREEHAND PRESENTATION—3 cr. (0 and 9)

To give the student a thorough working knowledge of the principles of freehand and mechanical perspective, shades and shadows, and presentation of work. A drafting and sketching technique is stressed with the medium of pencil.

MR. HODGE MR. McCULLOCH

ARCH 106—FREEHAND REPRESENTATION—2 cr. (0 and 6)

Freehand sketching and presentation in black and white mediums.

MR. HODGE MR. McCULLOCH

ARCH 201—ARCHITECTURAL DESIGN—4 cr. (0 and 12)

Design of simple structures with emphasis on the basic elements of circulation, functional relationship of rooms, spaces, and services, interior and exterior appearance. *Prerequisite:* Arch 105 and 106

MR. WILKINS

ARCH 202—ARCHITECTURAL DESIGN—4 cr. (0 and 12)

A continuation of Arch 201.

MR. PETROFF

ARCH 205—ELEMENTARY WATER COLOR—2 cr. (0 and 6)

The fundamental use of color, composition and technique, giving the student a thorough background with emphasis on architectural delineation. *Prerequisite:* Arch 105

MR. PETROFF

ARCH 206—ADVANCED WATER COLOR—1 cr. (0 and 3)

This course is designed to give advanced students various exercises in color presentation. Water color and tempera are used with architectural presentation in mind. *Prerequisite:* Arch 205

MR. PETROFF

ARCH 215—BUILDING MATERIALS—2 cr. (2 and 0)

To give the student a knowledge of materials used in building construction. The course is designed to trace the building material from its source as a raw material, through its manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing plants of building materials are a part of this course.

MR. McMILLIN

ARCH 216—BUILDING DESIGN—2 cr. (2 and 0)

To familiarize the student with the construction of the small dwelling. The course begins with the selection of the site and embraces all the necessary steps and methods of construction, terminating with the completed structure. Inspection trips to dwellings under construction are part of this course.

MR. DILLON

ARCH 301—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

Problems involving planning, elevation and mass composition in Architecture. Work includes the planning of public buildings, with emphasis on function, studies in entourage, elements of landscape with relation to plan and elevation, interior architecture, indication and presentation sketch problems. *Prerequisite:* Arch 202

MR. DILLON MR. SHEPARD

ARCH 302—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

A continuation of Arch 301.

MR. DILLON MR. SHEPARD

ARCH 305—DELINEATION—1 cr. (0 and 3)

The study and execution of various types of presentations, watercolor, tempera, ink and pencil. This course is designed to familiarize the student with the possibilities offered by the medium with relation to architectural presentation.

MR. MCCULLOCH

ARCH 306—DELINEATION—1 cr. (0 and 3)

A continuation of Arch 305. *Prerequisite:* Arch 305

MR. MCCULLOCH

ARCH 309—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To acquaint the student with the development of architecture, from prehistoric to Romanesque time, as a problem both of construction and aesthetics. Influence of various geographic, geological, social, and psychological factors; structural problems and their solution, post and lintel, arch, vault, pendentive, dome; planning problems and their solution; temples, churches, public buildings; decorative problems and their solution, as revealed in the buildings of the Egyptian, Greek, Roman, Early Christian and Byzantine periods, are topics covered.

MR. ST. HUBERT

ARCH 310—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 309. A study of the Romanesque period, its spread through western Europe as a system of building of great variety which preceded the organic Gothic of the Ile-de-France. The revival of classic form in Italy during the Renaissance, the spread of the Renaissance in England and France. *Prerequisite:* Arch 309

MR. ST. HUBERT

ARCH 317—WORKING DRAWINGS—2 cr. (1 and 3)

Drafting room practice. Methods, materials, and details relating to the construction used in residence and preparation of working drawings for a small frame building. Problems in estimating and quantity survey of building costs and cost analysis of a building. *Prerequisite:* Arch 215 and 216

MR. DILLON

ARCH 318—WORKING DRAWINGS—2 cr. (1 and 3)

A continuation of Arch 317. The preparation of complete working drawings of a brick or stone veneer building. *Prerequisite:* Arch 317

MR. McMILLIN

ARCH 401—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

The designing of complex buildings, site and group planning; analysis and development of the plan and design problem from its most elemental to its final form; and sketch problems. *Prerequisite:* Arch 302.

MR. LONGSTREET

ARCH 402—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

A continuation of Arch 401 to include advanced problems in design, elements of civic planning, composition of involved types of buildings or groups of building, housing, and landscaping.

MR. GATES

ARCH 408—INDUSTRIAL DESIGN—1 cr. (0 and 3)

To give the student the fundamentals in design of simple pieces of furniture as worked out on the drafting table. The student is given practice in making detail drawings of chairs, tables, metal work. *Prerequisite:* D D 106

MR. McCULLOCH

ARCH 409—ART APPRECIATION—3 cr. (3 and 0)

To give the student a general idea of the field of art, to develop knowledge and taste through contact with the best examples. Principal topics covered are: Periods of styles of architecture, painting, sculpture, ornament, decorative and interior composition, furniture, given by lecture and lantern slides.

MR. ST. HUBERT

ARCH 411—HISTORY OF ARCHITECTURE—2 cr. (2 and 0)

To acquaint the student with the development of Architecture from the Renaissance period in France and England to modern time, as a problem both of construction and aesthetics and with the influence of various geological, social and psychological factors. The topics are: First, the

Colonial period; a summary in North American architecture followed by a thorough study of the same period in South Carolina. Second, the National period; Classicism, Romanticism, Romanesque phase, classical phase, Gothic phase, Functionalism, beginning and development of modern architecture. *Prerequisite:* Arch 210

MR. ST. HUBERT

ARCH 412—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

History of Art considered as an insight into a moving process of life and presented both by argument and by objective evidence. Its oldest expression, evolution similarities, influences and reactions are considered in order to arrive at a true and complete understanding of the growth of the new tradition in architecture, showing its interrelations with city planning, painting, and science.

MR. ST. HUBERT

ARCH 415—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. McMILLIN

ARCH 416—SPECIFICATIONS AND PROFESSIONAL PRACTICE—2 cr. (2 and 0)

To give the student a general knowledge of the organization and development of specifications, in relation to working drawings, as prepared in the practicing architect's office. Course includes a final specification as a term paper.

MR. LONGSTREET

ARCH 417—WORKING DRAWINGS—2 cr. (0 and 6)

Drafting room practice. The preparation of complete working drawings as done in an architect's office. Structural analysis, design, and detailing of steel and concrete, columns, trusses, etc., as encountered in architectural constructions.

MR. McMILLIN

ARCH 418—CONSTRUCTION—2 cr. (2 and 0)

Properties of steel, concrete, design and detail of steel and reinforced concrete beams, slabs, columns, walls, and footings used in concrete construction.

MR. McMILLIN

ARCH 419—MECHANICAL PLANT—2 cr. (1 and 3)

Problems involved in the installation, operation, and supervision of heating, lighting, plumbing, air conditioning, elevator and other service equipment in modern building.

MR. McMILLIN

ARCH 420—MECHANICAL PLANT—2 cr. (1 and 3)

A continuation of Arch 419. *Prerequisite:* Arch 419

MR. McMILLIN

ARCH 425—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. McMILLIN

ARCH 427—WORKING DRAWINGS—4 cr. (1 and 9)

Drafting room practice. The student is required to make a complete set of architectural working drawings of reinforced concrete or steel framed building as prepared in the practicing architect's office.

MR. McMILLIN

ARCH 428—WORKING DRAWINGS—4 cr. (1 and 9)

A continuation of Arch 427 with emphasis on the addition of details such as door and window details, wall sections, and details of other parts of the building.

MR. McMILLIN

ARCH 431—ARCHITECTURAL DESIGN AND CITY PLANNING—7 cr. (0 and 21)

The advanced design of large buildings, projects and the development of the plans of a small city, which will entail research and field trips. Seminars are included in this course.

MR. GATES

ARCH 432—ARCHITECTURAL DESIGN—7 cr. (0 and 21)

A continuation of Arch 431, with the final preparation for entering the field of architecture. A thesis is required. *Prerequisite:* Arch 402 and 431

MR. GATES

ARCH 439—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To give the student an insight into the future of the profession which lies in the field of organic town design. The architecture of tomorrow is based on the fundamental fact that architecture is a social and organic art form with the aim of creating about men a culturally healthy environment.

MR. ST. HUBERT

ARCH 440—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 439. To lead the student to perceive the whole of man's physical accommodation from the intimacy of the room to the very complex problem of the large metropolis, and learn to express by means of architectural language the way in which we live today in our homes, villages, towns and cities; to develop student's initiative. *Prerequisite:* Arch 439.

MR. ST. HUBERT

ARCH 445—CONSTRUCTION—1 cr. (0 and 3)

The advanced design of structural elements and working drawings entailing the use of reinforced concrete and steel in the modern building construction. Studies of the various construction systems and field trips are included in this course.

MR. DILLON

ARCH 446—CONSTRUCTION—1 cr. (0 and 3)

A continuation of Arch 445. *Prerequisite:* Arch 445

MR. DILLON

ARCH 452—THESIS—3 cr. (3 and 0)

MR. GATES

BACTERIOLOGY

MR. RUSH

MR. VAN ESELTINE

BACT 301, 303—GENERAL BACTERIOLOGY—4 cr. (3 and 3)

Morphology, classification, distribution, cultivation, observation, and physiology of microorganisms; effects of organisms on their environment; microorganisms and health. *Prerequisite*: Bot 101, 103; Chem 101, 102

MR. RUSH MR. VAN ESELTINE

BACT 402, 404—DAIRY BACTERIOLOGY—3 cr. (2 and 3)

Bacterial counts on milk, milk fermentations, contamination of milk and cream, reducing the contamination of milk, growth of microorganisms in milk and cream, spread of diseases through milk and its derivatives; preservation of milk and cream, bacteriology of prepared milks, ice cream, butter cultures, fermented milks, butter, cheese, tests for the quality of milk and cream. *Prerequisite*: Bact. 301 and 303

MR. RUSH MR. VAN ESELTINE

BACT 406, 408—SANITARY BACTERIOLOGY—4 cr. (3 and 3)

This course is designed primarily for Engineering students. After a consideration of the fundamentals of bacteriology, the course is designed to give a knowledge of the relation of bacteriology to water purification and sewage disposal. *Prerequisite*: Chem 101 and 102

MR. RUSH MR. VAN ESELTINE

BACT 410, 412—SOIL MICROBIOLOGY—3 cr. (2 and 3)

The role of microbes in the decomposition of organic substances, transformation of nitrogen, transformation of mineral substances in soil by the action of microorganisms, interrelationships between higher plants and soil microorganisms, modification of the soil population, importance of microbes in soil fertility. *Prerequisite*: Bact 301 and 303

MR. RUSH MR. VAN ESELTINE

BOTANY

	MR. ARMSTRONG	
MR. ROSENKRANS	MR. MATHEWS	MR. WHITNEY
	MR. RUTLEDGE	

BOT 101, 103—GENERAL BOTANY—4 cr. (3 and 3)

The first part of the semester is devoted to a study of the form, structure, and physiology of the higher plants, followed by a study of algae, bacteria, fungi, liverworts, mosses, and ferns, with the application of the biological laws. Descriptions, life histories and adaptation of the representative organisms are considered.

MR. ROSENKRANS MR. MATHEWS MR. RUTLEDGE MR. WHITNEY

BOT 351, 353—PLANT MORPHOLOGY—4 cr. (2 and 6)

A study of the structure of vegetative and reproductive parts of plants representing most of the major groups except the fungi. Most of the time is spent on the higher vascular plants. *Prerequisite*: Bot 101 and 103

MR. RUTLEDGE

BOT 352, 354—PLANT PHYSIOLOGY—4 cr. (3 and 3)

A study of all the relations and processes which have to do with the maintenance, growth, and reproduction of plants. Principal topics are absorption of matter and energy, water relations of the plant, utilization of reserve products and liberation of energy, growth, movement and reproduction. *Prerequisite*: Bot 101 and 103; Chem 101 and 102; Phys 201 and 203 or Phys 211 and 213

MR. WHITNEY

BOT 355—HISTOLOGY—2 cr. (0 and 6)

This course gives the student a knowledge of the principles of fixing, cutting, and staining plant tissues and the various other processes of micro-technique as well as their application to specific forms of plants. *Prerequisite*: Bot 101 and 103; Chem 101 and 102

MR. ROSENKRANS

BOT 356, 358—TAXONOMY—3 cr. (1 and 6)

The identification, classification, distribution, and interrelationship of flowering plants with particular emphasis on the flora of South Carolina. Laboratory work includes a study of native trees and shrubs in winter condition, the collection and identification of local plants, and the preparation of a small herbarium. *Prerequisite*: Bot 101 and 103

BOT 401, 403—PLANT PATHOLOGY—3 cr. (2 and 3)

To acquaint the student with the major plant diseases of the South, symptoms of the diseases, the nature of the causal agencies or factors, and methods of control. *Prerequisite:* Bot 101 and 103

MR. ARMSTRONG MR. MATHEWS

BOT 402, 404—ECONOMIC BOTANY—3 cr. (2 and 3)

A study of plants and plant products and their relationship to human history and contemporary life. Sources of plant products, especially those outside the scope of courses in Agronomy and Horticulture, such as woods, resins, tanning materials, rubber, textiles, cereals, sugar, oils, fruits, spices, beverages and drugs. Library research, periodic reports, and the examination of special material replace formal laboratory work. *Prerequisite:* Bot 101 and 103. Other students who present evidence of good scholarship may elect.

BOT 405—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

BOT 406—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

BOT 451, 453—MORPHOLOGY OF THE FUNGI—3 cr. (2 and 3)

A course to acquaint the student with the morphology and taxonomy of the fungi through lectures, reports, laboratory work, and field trips. Special attention is devoted to practice in the methods of pure culture as they apply to the different saprophytic and parasitic forms. *Prerequisite:* Bot 101, 103; Bot 401, 403.

MR. MATHEWS

BOT 452, 454—ECOLOGY—4 cr. (2 and 6)

A study of the fundamental principles of the relations between plants and environmental conditions. Special attention is given to ecological relationships and problems in this region. *Prerequisite:* Bot 101, 103

MR. RUTLEDGE

BOT 501—METHODS OF RESEARCH IN PLANT PHYSIOLOGY—3 cr. (2 and 3)

A theoretical and practical study of methods used in investigations of physiological processes and the factors influencing those processes. Topics

include sand and solution culture methods, measurement and control of soil water content, atmospheric humidity and radiant energy, and determinations of osmotic quantities, hydrogen ion concentration, and metabolic processes. *Prerequisite:* Bot 352, 354; Chem 101, 102; Phys 201, 202, 203, 204

MR. WHITNEY

BOT 503—ADVANCED PLANT PATHOLOGY—4 cr. (3 and 3)

An advanced study including epiphytology and etiology of diseases of plants, nature of parasitism and resistance and training in laboratory methods. *Prerequisite:* Bot 401, 403

MR. ARMSTRONG

CERAMIC ENGINEERING

MR. ROBINSON

MR. BICKELHAUPT

CR EN 202—CERAMIC MATERIALS—2 cr. (2 and 0)

A study of the occurrence, mining, and properties of clays and ceramic minerals. *Prerequisite:* Geol 406

CR EN 301—THE DRYING AND FIRING OF CERAMIC PRODUCTS—5 cr. (3 and 6)

A study of the theory, equipment and control of the drying and firing processes. *Prerequisite:* Cr En 202, Phys 212 and 214

CR EN 303—CERAMIC PRODUCTS—2 cr. (2 and 0)

This course is intended as an elective course for architects, architectural, chemical, civil, electrical, and mechanical engineers to acquaint them with the various ceramic products used in their professions. The properties of such products as structural, refractories, electrical insulators and the ceramic components of internal combustion engines are included in this course.

CR EN 401—SILICATES—5 cr. (3 and 6)

A study of the fundamental principles underlying the composition and production of whitewares, glazes, glasses, cements and abrasives. A comprehensive study of ceramic calculations and their application to the preparation of ceramic bodies is included together with the theory and applications of temperature measuring equipment. *Prerequisite:* Cr En 301

CR EN 402—REFRACTORIES—3 cr. (3 and 0)

A study of refractory materials, the manufacture of refractory products, and the use of refractories in industrial furnaces. *Prerequisite:* Cr En 401

CR EN 404—ENAMELS—3 cr. (3 and 0)

A study of the raw materials, methods of manufacture, and properties of porcelain enamel coatings for metals. *Prerequisite:* Cr En 401

CR EN 405—PLANT DESIGN—3 cr. (0 and 9)

The application of the fundamentals of ceramic engineering to specific problems in plant design. *Prerequisite:* Senior Standing in Ceramic Engineering.

CR EN 406—CERAMIC PROJECT—2 cr. (0 and 6)

The completion of an original research into a ceramic problem. *Prerequisite:* Cr En 401

CR EN 408—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Cr En 405. *Prerequisite:* Cr En 401

CHEMICAL ENGINEERING

MR. BERNE-ALLEN

MR. LITTLEJOHN

CH EN 202—INTRODUCTION TO CHEMICAL ENGINEERING—3 cr. (3 and 0)

This course introduces English units for engineering calculations, dimensional analysis, chemical engineering methods of calculation, and the fundamental principles of fluid transportation. *Prerequisite:* Second-semester Sophomore standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 301—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

An introduction to the general principles of Chemical Engineering and a study of the following unit operations: Fluid Flow, Heat Transmission and Evaporation. Special emphasis is placed on theory and its practical application. This is accomplished through the presentation of comprehensive calculations. *Prerequisite:* Junior standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 302—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations based on diffusion: Humidification and Air Conditioning, Drying and Distillation. Special attention is given to theories involved and practical applications thereof. Theory is correlated with practice by the solution of comprehensive problems. *Prerequisite:* Ch En 301

MR. LITTLEJOHN

CH EN 305—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 202 and 301 in which theory is related to practical application by actual operation of equipment and the preparation of technical reports thereon. *Prerequisite:* Junior standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 306—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 302 in which theory is related to practical application by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 305

MR. LITTLEJOHN

CH EN 401—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations: Gas Absorption and Solvent Extraction, Filtration, Crystallization, Mixing, Conveying, Size Reduction and Size Separation. Special emphasis is placed on theory and its practical application. Theory is related to practice by solution of comprehensive problems. *Prerequisite:* Ch En 301 and 302

MR. LITTLEJOHN

CH EN 403—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A study of various chemical industries. Economics and the interrelation of unit operations and unit processes are considered. Attention is given to the dependence of each industry on the chemical field as a whole. *Prerequisite:* Senior standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 404—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A continuation of Ch En 403. *Prerequisite:* Ch En 403

MR. BERNE-ALLEN

CH EN 405—UNIT OPERATIONS—2 cr. (0 and 6)

A laboratory course dealing with subjects covered in Ch En 401 in which theory is related to practice by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 306

MR. LITTLEJOHN

CH EN 406—INDUSTRIAL CHEMICAL CALCULATIONS—2 cr. (2 and 0)

A course in the solution of stoichiometric problems on the plant scale. *Prerequisite:* Ch En 301 and 302

MR. BERNE-ALLEN

CH EN 409—PLANT DESIGN—2 cr. (0 and 6)

A detailed study of the design of a chemical plant involving such factors as process to be employed, equipment selection, specification writing and cost accounting, and plant location. *Prerequisite:* Senior standing in Chemical Engineering.

MR. LITTLEJOHN

CH EN 410—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Ch En 409. *Prerequisite:* Ch En 409

MR. LITTLEJOHN

CH EN 412—THESIS—3 cr. (0 and 9)

The solution of a research problem in Chemical Engineering chosen by the student. A written report is required in which special emphasis is laid upon originality of thought, method of attack, discussion of results and conclusions. *Prerequisite:* Senior standing in Chemical Engineering

MR. BERNE-ALLEN MR. LITTLEJOHN

CH EN 415—CHEMICAL ENGINEERING SEMINAR—0 cr. (1 and 0)

A discussion period for exchange of ideas between students and instructors. Current problems and new trends in theoretical and practical chemical engineering are discussed. *Prerequisite:* Senior standing in Chemical Engineering.

MR. BERNE-ALLEN MR. LITTLEJOHN

CH EN 416—CHEMICAL ENGINEERING SEMINAR—0 cr. (1 and 0)

A continuation of Ch En 415. *Prerequisite:* Ch En 415

MR. BERNE-ALLEN MR. LITTLEJOHN

CHEMISTRY

MR. HUNTER

MR. CARODEMOS	MR. BROWNLEY	MR. GERRITSEN
MR. MITCHELL	MR. DINWIDDIE	MR. GUEST
MR. POLLARD	MR. HOBSON	MR. LEWIS
MR. POLK	MR. HODGES	MR. SALLEY
MR. SCHIRMER	MR. MAULDIN	MR. WILLIAMS

CHEM 101—GENERAL CHEMISTRY—4 cr. (3 and 3)

To give the student a general knowledge of the fundamentals of the science of chemistry through lectures, lecture experiments, and laboratory exercises. Consideration is given to the common substances.

MR. POLK AND STAFF

CHEM 102—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 101.

MR. HUNTER AND STAFF

CHEM 103—GENERAL CHEMISTRY—4 cr. (3 and 3)

This course is required of students majoring in Chemistry, Chemical Engineering, Textile Chemistry or Pre-Medicine. It is similar to Chem 101, except that it gives a more thorough covering of those fundamentals which are necessary for advanced work in Chemistry.

MR. BROWNLEY AND STAFF

CHEM 104—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 103.

MR. BROWNLEY AND STAFF

CHEM 211—QUALITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Qualitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 215 except that the theoretical principles are developed in less detail. Greater emphasis is placed on those principles more likely to be encountered in medical work. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

CHEM 212—QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Quantitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 216 except that the theoretical principles are developed in less detail. Greater emphasis, both in theory and laboratory work, is placed on those analyses which are more applicable to medical work. *Prerequisite:* Chem 211 or 215.

MR. SCHIRMER

CHEM 215—QUALITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Qualitative Analysis and their application in the systematic separation and identification of the common cations and anions in the laboratory. The topics discussed are: chemical equilibrium and the law of mass action, solution and ionization, solubility product, hydrolysis and complex ions. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

CHEM 216—QUANTITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Quantitative Analysis and their application in the analysis of unknown mixtures in the laboratory. Standard volumetric and gravimetric procedures are employed. *Prerequisite:* Chem 215.

MR. SCHIRMER

CHEM 220—AGRICULTURAL ORGANIC CHEMISTRY—4 cr. (3 and 3)

A study of fundamentals of organic chemistry which will aid the student of agriculture to understand the various biochemical reactions which are involved in the study of plant and animal nutrition. *Prerequisite:* Chem 101 and 102.

MR. MAULDIN

CHEM 221—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

A thorough study of the aliphatic compounds with special emphasis upon structural characteristics of the various classes. In the laboratory, typical compounds are prepared in which techniques, purity and yield are stressed. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. CARODEMOS MR. DINWIDDIE

CHEM 222—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

The alicyclic, heterocyclic, and aromatic compounds are thoroughly studied. Typical members of these series of compounds are synthesized in the laboratory in which technique, purity and yield are stressed. *Prerequisite:* Chem 221.

MR. CARODEMOS MR. DINWIDDIE

CHEM 312—GAS AND FUEL ANALYSIS—3 cr. (1 and 6)

A study of the composition and combustion of solid, liquid and gaseous fuels, and of the products of combustion. The laboratory work consists of analyses of solid and gaseous fuels, calorimetry, and testing of fuel and lubricating oils. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. BROWNLEY

CHEM 321—QUALITATIVE ORGANIC ANALYSIS—4 cr. (2 and 6)

The systematic identification of pure organic compounds and mixtures.

MR. DINWIDDIE

CHEM 331—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions. *Prerequisite:* Math 203 and 204, Chem 212 or 216, Chem 221 (may be taken at the same time).

MR. POLLARD

CHEM 332—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 331, including the study of chemical equilibrium, the phase rule, chemical kinetics and elementary electrochemistry.

MR. POLLARD

CHEM 333—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

Laboratory course to accompany Chem 331. Experimental studies of the physico-chemical behavior of gases, liquids, solids and solutions.

MR. HOBSON

CHEM 334—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

A continuation of Chem 333 to accompany Chem 332. Studies of chemical equilibria, reaction rates, phase systems and electrochemical measurements.

MR. HOBSON

CHEM 336—PHYSICAL CHEMISTRY—5 cr. (3 and 6)

A study of the theories and behavior of gases, liquids, solids and solutions as related to the ceramic industry.

CHEM 401—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A comprehensive survey of the field of inorganic chemistry through lectures and lecture experiments. Development of modern theories of atomic structure and valence, and a detailed study of the elements and their compounds, based on the periodic system and including both well known and rarer elements. *Prerequisite:* Chem 212 or 216. *Suggested:* Chem 331 and 332.

MR. SCHIRMER

CHEM 402—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 401.

MR. SCHIRMER

CHEM 411—ADVANCED QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

This course involves gravimetric and colorimetric analysis including complete analysis of limestones and silicates, and a partial analysis of coal, pig iron and steel. Also, the quantitative analysis of alloys using electro-metric separation in some cases. The determination of certain important elements of ores, as sulfur, manganese, nickel, chromium and phosphorus. Instrumental analysis involving the use of photoelectric colorimeters, spectrophotometers, titrimeters and other instruments. *Prerequisite:* Chem 212 or 216.

MR. MITCHELL

CHEM 431—COLLOID CHEMISTRY—2 cr. (2 and 0)

The general characteristics of the colloidal state and surface phenomena including surface tension, adsorption and contact catalysis. *Prerequisite:* Chem 331 and 332.

MR. POLLARD

CHEM 432—COLLOID CHEMISTRY—2 cr. (2 and 0)

A continuation of Chem 431 including the preparation of colloidal solutions, gels and jellies, foams, fogs, emulsions and smokes.

MR. POLLARD

CHEM 441—GLASS MANIPULATION—2 cr. (0 and 6)

A course designed to teach the fundamentals of glass manipulation and its application to the construction and repair of simple laboratory apparatus. *Prerequisite:* Senior Standing.

MR. SCHIRMER

CHEM 442—CHEMICAL LITERATURE—2 cr. (1 and 3)

This course is designed to give the student practice in the use of chemical literature, the writing of technical reports and the presentation of same before the faculty of the School of Chemistry. *Prerequisite:* Senior Standing in Chemistry.

CHEMISTRY STAFF

CHEM 443—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of Chemistry. This work must be carried out under the supervision of a qualified member of the staff. *Prerequisite*: Senior Standing in Chemistry.

CHEMISTRY STAFF

CHEM 444—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 443.

CHEMISTRY STAFF

CHEM 454—INORGANIC SYNTHESIS—2 cr. (0 and 6)

A laboratory course designed to acquaint the student with various methods and techniques employed in the preparation and handling of inorganic compounds. *Prerequisite*: Chem 401

MR. SCHIRMER

CHEM 462—TECHNICAL ANALYSIS—3 cr. (1 and 6)

This course is planned to give training and experience in the analysis of many industrial products including fertilizer analysis, organic and mineral analysis of feeding materials, complete water analysis, both mineral and sanitary and the chemical and optical analysis of sugar products. Assays of some of the vitamins include the use of photoelectric colorimeters and fluorophotometers. *Prerequisite*: Chem 411

MR. MITCHELL

CHEM 472—ORGANIC SYNTHESIS—4 cr. (1 and 9)

A review and more intensive study of representative classes of organic compounds. In this course reference is made to the current literature from which the student prepares reports and abstracts. The laboratory work consists of synthesis of more complex compounds. In this course the student is introduced to the methods of consulting Beilstein's "Handbuch der organischen chemie." *Prerequisite*: Chem 321 and Ger 102

MR. CARODEMOS

CHEM 473—ORGANIC MEDICINAL COMPOUNDS—2 cr. (2 and 0)

A study of Organic Compounds used as therapeutic agents, with emphasis on relationships between constitution and physiological activity. *Prerequisite*: Chem 222

MR. DINWIDDIE

CHEM 481—PHASE EQUILIBRIA—2 cr. (2 and 0)

A study of the application of the Phase Rule to systems of two, three and four components, including its practical application to chemical operations and processes, metals, alloys and minerals.

MR. POLLARD

CHEM 482—CHEMICAL THERMODYNAMICS—3 cr. (3 and 0)

This course is designed to present basic concepts of the fundamental thermodynamic quantities and their relationships as expressed by the three laws of thermodynamics. A working knowledge of these laws and their correlative functions, as applied to chemical processes, will be given the student.

MR. HOBSON

CHEM 484—COLLOID CHEMISTRY LABORATORY—2 cr. (0 and 6)

Preparation and study of colloidal systems. *Prerequisite:* Chem 431

MR. POLLARD

CHEM 501—ADVANCED INORGANIC CHEMISTRY—3 cr. (3 and 0)

A study of atomic, crystal and molecular structure and its relationship to Inorganic Chemistry. *Prerequisites:* Chem 401 and 402

MR. SCHIRMER

CHEM 511—OPTICAL METHODS—3 cr. (1 and 6)

A study of optical methods as used in the field of chemistry with especial emphasis on the use of the microscope, spectroscope and related instruments. *Prerequisites:* Chem 401, 402 and 411

MR. HUNTER

CHEM 520—BIOCHEMICAL ASPECTS OF ORGANIC CHEMISTRY—2 cr. (2 and 0)

Discussion of natural products, including vitamins, hormones, etc. *Prerequisites:* Chem 321 and 331

MR. CARODEMOS

CHEM 521—ADVANCED ORGANIC CHEMISTRY—3 cr. (3 and 0)

The object of this course is to give a general survey of organic chemistry with special attention on the general type of organic reactions and important processes. The lectures are supplemented by assigned problems and reports on current organic literature which are discussed during a weekly conference hour. *Prerequisite:* Chem 321

MR. CARODEMOS

CHEM 522—ADVANCED ORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 521.

MR. CARODEMOS

CHEM 523—QUANTITATIVE ORGANIC ANALYSIS—2 cr. (0 and 6)

This course is designed to train the organic chemist, and particularly the research worker, in the techniques and theory of quantitative determinations of various groups and elements occurring in organic compounds. Semimicro methods using 10 to 25 mg. samples are stressed. It is primarily a laboratory course with occasional lectures for consideration of the theoretical aspects of the procedures employed. *Prerequisites:* Chem 321 and 411

MR. DINWIDDIE

CHEM 524—QUANTITATIVE ORGANIC ANALYSIS—2 cr. (0 and 6)

A continuation of Chem 523.

MR. DINWIDDIE

CHEM 531—SELECTED TOPICS IN PHYSICAL CHEMISTRY—2 cr. (2 and 0)

An advanced course covering special phases of Physical Chemistry such as recent advances in the theory of solutions, chemical kinetics, catalysis and phase equilibrium. *Prerequisites:* Chem 331 and 332

MR. POLLARD

CHEM 543—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of chemistry. This work must be carried out under the supervision of a qualified member of the staff.

CHEMISTRY STAFF

CHEM 544—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 543.

CHEMISTRY STAFF

CIVIL ENGINEERING

MR. CLARKE

MR. H. E. GLENN

MR. J. D. GLENN

MR. McCORMAC

MR. LOWRY

MR. ROSTRON

MR. MOSS

MR. TRIVELY

°MR. FORD

C E 101—ELEMENTARY SURVEYING—2 cr. (1 and 3)

An introductory course given to all Engineering freshmen. This course comprises field and office computations involving the use of the tape, transit, level and leveling rod; the making of simple surveys and computing the areas.

STAFF

C E 201—SURVEYING—2 cr. (2 and 0)

A detailed study of the construction of all surveying instruments, and methods of adjusting same; a comprehensive consideration of the mathematical principles involved in making surveys: computations involved in computing and subdividing areas. *Prerequisites:* Math 103, C E 101

MR. MOSS

C E 202—SURVEYING—2 cr. (2 and 0)

This is a continuation of C E 201, and comprises the application of surveying principles to the various phases of surveying problems, including land surveying, topographic surveying, route surveying, mine surveying and hydrographic surveying. This course includes sufficient elementary astronomy for making solar or stellar observations for the determination of Azimuth and Time. *Prerequisite:* C E 201

MR. MOSS

C E 203—TOPOGRAPHIC SURVEYING AND MAPPING—1 cr. (0 and 3)

The field and office work necessary to make a complete topographic map, including contours, of a prescribed area. *Prerequisite:* C E 101, Math 103

MR. MOSS

°On leave.

C E 205—CIVIL ENGINEERING PROBLEMS—2 cr. (1 and 3)

This course, designed to familiarize the student with simple problems in civil engineering, includes a review of the applications of trigonometric functions and logarithms, and a study of graphs, tables, and the slide rule. Some emphasis is given to a systematic analysis of problems and a neat and orderly arrangement of computations. *Prerequisites:* Math 103, Math 104 and registration in Phys 211

MR. J. D. GLENN

C E 300—SUMMER SURVEYING CAMP**C E 305—ROUTE SURVEYING—3 cr. (3 and 0)**

A study of the special problems which arise in connection with the location of a route for a railroad, highway, canal, sewer, water main or transmission line; the theory of simple, compound, and reversed curves; parabolic curves, transition spiral, vertical, curves, railroad turnouts; computations of earthwork. *Prerequisite:* C E 202 and 203

MR. CLARKE

C E 306—ROADS AND PAVEMENTS—4 cr. (3 and 3)

Theory and practice in design, location, construction and maintenance of low cost, intermediate, and high type, road surfaces. Highway economics and administration. Study of factors relating to highway construction methods and materials. *Prerequisite:* C E 305

MR. ROSTRON

C E 309—STRESS ANALYSIS—2 cr. (0 and 6)

The computation of stresses in statically determinate structures. *Prerequisites:* Mech 302 and 306

MR. LOWRY MR. McCORMAC

C E 310—ELEMENTARY DESIGN—2 cr. (0 and 6)

The computation of the stress in truss members and girders; the design of structural parts and their connections. *Prerequisite:* C E 309 and Mech 304

MR. J. D. GLENN MR. McCORMAC

C E 319—GENERAL PHOTOGRAMMETRY—3 cr. (2 and 3)

An introduction to the fundamentals of mapping by use of aerial photographs. A study of the characteristics and uses of aerial photographs, detailed interpretation and simple photogrammetric instruments such as the stereocomparagraph. Practice in use of simple mapping instruments, problems in scale determination, construction of photomosaics. *Prerequisite:* C E 203

MR. ROBINSON

C E 401—STRUCTURAL DESIGN—3 cr. (2 and 3)

The computation of stresses, and the detailed design of a steel highway bridge. *Prerequisite:* C E 310

MR. TRIVELY

C E 402—STRUCTURAL ANALYSIS—2 cr. (2 and 0)

Analysis of statically indeterminate structures by the method of moment distribution. *Prerequisite:* C E 310

MR. J. D. GLENN

C E 405—ROAD MATERIALS TESTING LABORATORY—1 cr. (0 and 3)

A study of the physical properties of non-bituminous construction materials, and the standard tests for determining these properties. *Prerequisite:* Mech 304

MR. LOWRY MR. J. D. GLENN

C E 406—ROAD MATERIALS TESTING LABORATORY—1 cr. (0 and 3)

A study of the physical properties of bituminous construction materials, and the standard tests for determining these properties. *Prerequisite:* Mech 304

MR. LOWRY

C E 409—REINFORCED CONCRETE STRUCTURES—4 cr. (3 and 3)

Study of mechanics of reinforced concrete, beams, slabs, columns and footings. Designs and estimates of concrete structures. *Prerequisite:* Mech 304 and 306

STAFF

C E 410—MUNICIPAL AND SANITARY ENGINEERING—5 cr. (5 and 0)

A study of the procedure necessary to supply an adequate amount of potable water for public or private purposes; and the design and construction of sewerage systems and sewage treatment plants. *Prerequisite:* Mech 401

MR. CLARKE

C E 412—REINFORCED CONCRETE DESIGN—2 cr. (0 and 6)

The complete analysis and design of a reinforced concrete bridge or building. *Prerequisite:* C E 409

MR. TRIVELY

C E 415—SOIL MECHANICS—3 cr. (2 and 3)

Study of mechanical and physical properties of soils and their relation to soil action in problems of engineering, such as classification, permeability, shearing strength, consolidation, stress distribution and bearing capacity of soils. *Prerequisite:* Mech 304

MR. ROSTRON

C E 416—CONTRACTS—2 cr. (2 and 0)

A study of the legal requirements and principles involved in the construction problems which confront the civil engineer. *Prerequisite:* Junior standing.

MR. CLARKE

C E 417—CITY PLANNING—2 cr. (2 and 0)

A study of the special problems, confronting a city engineer, which are not specifically of an engineering nature, but for the solution of which the public looks to the city officials; viz. street systems, traffic control, parking facilities, railroad and water traffic problems, airports, parks and play-grounds and zoning; legal problems involved. *Prerequisite:* Senior standing.

MR. CLARKE

C E 419—MATERIALS AND METHODS OF CONSTRUCTION—3 cr. (3 and 0)

This course is intended to familiarize the student with the common materials and technical terms used in construction and the ways in which the materials are used. *Prerequisite:* Junior standing.

MR. CLARKE

C E 452—ADVANCED STRUCTURAL ANALYSIS—2 cr. (2 and 0)

A study of the various methods for computing the deflections of beams and trusses. *Prerequisite:* C E 310

MR. TRIVELY

C E 499—THESIS—1-3 cr.

Civil Engineering students of exceptional ability, with the permission of the Head of the Civil Engineering Department, may choose as an elective the preparation and submission of a thesis covering some phase of Civil Engineering. This thesis may be either an independent experimental investigation entered into with the hope of discovery of new engineering knowledge, or the independent prosecution of some already somewhat stabilized problem in engineering design. Those students who desire to submit a thesis, as a part of their free electives, must present to the Head of the Civil Engineering Department not less than one month prior to the opening of the semester during which the thesis work is intended to be done, a complete outline of the work contemplated in the proposed thesis and the projected method of procedure. (Amount of credit given depends upon the nature of the subject, the amount of time devoted to it, and the quality of the work.)

MR. CLARKE

C E 501—ADVANCED STRUCTURAL ENGINEERING—3 cr. (2 and 3)

Analysis of statically indeterminate structures including secondary stresses and rigid frames.

C E 502—ADVANCED STRUCTURAL ENGINEERING—3 cr. (2 and 3)

A continuation of C E 501.

C E 510—HIGHWAY SAFETY AND TRAFFIC CONTROL—3 or 2 cr. (3 and 0) or (2 and 0)

Study of highway safety principles affecting the design of city streets and rural highways, devices for controlling highway traffic and related subjects, and design of traffic signal systems. *Prerequisite:* C E 306

C E 511—HIGHWAY DESIGN—3 cr. (2 and 3)

Studies of economics of highway grades, location, alignment and road surfaces, and factors that control highway planning. *Prerequisite:* C E 306

C E 519—HIGHWAY RESEARCH—2 to 4 cr.

Independent investigation of some problems in highway engineering.

C E 520—CONCRETE MIXES AND MATERIALS—3 cr. (2 and 3)

Properties and factors controlling properties of concrete; investigation and selection of materials; mixes and design of mixes; inspection, field laboratory facilities and reports; concrete manufacture; handling, placing and curing; special types; sonic method of testing. *Prerequisite:* C E 405

C E 531—SOIL ENGINEERING—3 cr. (2 and 3)

Shearing resistance, consolidation, settlement, displacement and compaction, pile supporting strength, application of principles to earthwork, foundations and highway problems. *Prerequisite:* C E 415

C E 591—RESEARCH—3 cr.

Research and development of a project leading to a master's degree.

C E 592—RESEARCH—3 cr.

A continuation of C E 591.

DAIRY DEPARTMENT

	MR. LAMASTER	
MR. GOODALE	MR. BRANNON	MR. LAZAR
MR. KING	MR. HURST	

DAIRY 201—INTRODUCTORY DAIRYING—3 cr. (2 and 3)

A course designed to give a practical working knowledge of dairy husbandry and dairy products. Studies include history of dairying, dairy breeds, feeds and feeding, judging dairy animals, dairy farm buildings, quality milk production, testing milk and some of its products, the manufacture of milk products, and the value of milk and milk products.

MR. LAZAR

DAIRY 301—GENETICS—3 cr. (2 and 3)

A study of the principles of heredity and variation with special reference to their application to the animal kingdom. Some of the topics covered are Mendel's Law, physical basis of inheritance, chromosome theory, linkage, expression and interaction of factors, origin of hereditary differences, inheritance of quantitative characters, and biometric methods. *Prerequisite:* Junior standing

DAIRY 302—DAIRY TECHNOLOGY AND ENGINEERING—3 cr. (2 and 3)

The chemical and physical properties of milk and milk products are studied in the classroom and laboratory as they apply to the processing of dairy products. Some of the dairy engineering subjects studied are: Heat measurement, transfer and control; power transmission, electrical power and equipment, hydraulics and pumping, steam and its use in the dairy, refrigeration, insulation, heaters and coolers, ice cream equipment, homogenizers, pasteurizing equipment, evaporating and drying equipment, washing and sterilizing equipment, fillers, equipment maintenance, general mechanics, and dairy plant design and layout. *Prerequisite:* Junior standing

MR. GOODALE

DAIRY 305—DAIRY CATTLE JUDGING—1 cr. (0 and 3)

Students are given an understanding of dairy form, breed type, and relations between form and function of dairy cattle. Emphasis is placed on the score card, show ring requirements and classifications, fitting dairy cattle for show and sale, values as influenced by form, buying dairy cattle, practice in judging Brown Swiss, Guernsey, Holstein, and Jersey cattle of all ages. *Prerequisite:* Junior standing

MR. BRANNON

DAIRY 306—MARKET MILK—3 cr. (3 and 0)

To give a comprehensive understanding of the care and handling of market milk, the following subjects are studied: History and development of the market milk industry, composition of milk and its properties, micro-organisms, enzymes and cells of milk and cream, milk and public health, safeguarding the milk supply, sanitary production of market milk, construction and arrangement of buildings (farm and station), transportation of milk, flavors of milk, construction and arrangement of city milk plants, milk plant operation, pasteurization of milk, cooling systems, creaming, separation, special milk products, business management, the dairy laboratory, dairy mathematics. *Prerequisite:* Dairy 201

MR. GOODALE

DAIRY 309—ANIMAL NUTRITION—3 cr. (3 and 0)

A chemical and physiological treatment of digestion, absorption and metabolism of nutrients. The physiology of and nutritional requirements for body maintenance, growth, reproduction and lactation of dairy cattle. *Prerequisite:* Chemistry 220

MR. KING

DAIRY 352—ADVERTISING AND MARKETING—3 cr. (3 and 0)

To give fundamentals in important fields of sales and marketing, the following topics are studied: Evolution of advertising, advertising allied with journalism, rise of national advertising, social aspects of advertising, advertisers' policies and objectives, modern advertising procedure, marketing research, names, trade marks, packages, psychology of selling, incentives to attention, incentives to interest, establishing associations, building the advertisement, substance of advertising copy, typography, illustrations and color, layout and visualization, advertising program, advertising production, media, radio advertising. *Prerequisite:* Junior standing

MR. GOODALE

DAIRY 354—ENDOCRINOLOGY—3 cr. (3 and 0)

This course includes a study of the anatomy and physiology of the glands of internal secretion. The chemistry of the hormones will be considered. Emphasis will be placed on the relationship of the endocrine glands to growth, reproduction, and lactation. *Prerequisite:* Junior standing

MR. HURST

DAIRY 401—DAIRY MANUFACTURES—3 cr. (2 and 3)

A thorough study is made of the manufacture of creamery butter, and the processing of soft cheeses. Some of the topics covered are: History of buttermaking, care of cream on the farm, buying and grading cream, inspection and testing methods, neutralization, pasteurization, starters and ripening, churning, and all subsequent processes until butter is ready for market, composition control, butter scoring, butter storage, marketing butter, refrigeration and sanitation. Studies are conducted on complete processing methods for common varieties of soft cheeses. *Prerequisite:* Dairy 201 and 302

MR. GOODALE

DAIRY 402—DAIRY MANUFACTURES—4 cr. (2 and 6)

A study of ice cream manufacture and related problems of producing condensed and powdered milks. Some subjects covered are: History of ice cream making, classification of frozen products, composition, ingredients used, standardization of mixes, processing mixes, testing, freezing, whipping defects in ice cream, packaging, hardening, shipping sugars, egg products, stabilizers, chocolate products, vanillas, fruits, ices, sherbets, specials, costs and merchandising, ice cream as a food, and bacteriology of ice cream. *Prerequisite:* Dairy 201 and 302

MR. GOODALE

DAIRY 405—DAIRY CATTLE BREEDING—3 cr. (2 and 3)

The student is given an understanding of the methods used in developing and improving the breeds of cattle. Principal topics are: breed history, advanced register, pedigrees, methods of indexing proved sires, statistical study of the relations of environment to production. *Prerequisite:* Genetics

MR. LAMASTER

DAIRY 409—DAIRY SEMINAR—2 cr. (2 and 0)

Special research problems in production and manufactures are studied. Individual topics not fully covered in class work are assigned for special reports before class and Dairy Staff. *Prerequisite:* Senior standing

DAIRY STAFF

DAIRY 410—DAIRY SEMINAR—2 cr. (2 and 0)

This course is a continuation of Dairy 409 with emphasis on current research literature. Each student is required to conduct a research project in production or manufactures and report the exposition of the results by thesis. *Prerequisite:* Senior standing

DAIRY STAFF

DAIRY 452—DAIRY CATTLE FEEDING AND MANAGEMENT—3 cr. (2 and 3)

This course gives the fundamental principles in the care, feeding, and management of dairy cattle of all ages. Principal topics include: general considerations in selecting a breed, selecting the individual cow, calf raising, growth and development, raising dairy heifers, care and management of the milking herd, milking factors, feeding for milk production, stables for cows, dairy barn equipment and handling manure. *Prerequisite:* Senior standing

MR. LAMASTER

DAIRY 501—TOPICAL PROBLEMS—1 to 3 cr.

Topics of interest to the graduate student. The course is designed to give experience with problems in dairying not covered by thesis research. Credit varies with the problem selected.

STAFF

DAIRY 502—GENETICS OF DAIRY CATTLE IMPROVEMENT—3 cr. (3 and 0)

Study of the inheritance in dairy cattle, with emphasis on milk and butterfat production methods used in proving sires and dams and in analyzing herds as aids to selection.

DAIRY 503—PHYSIOLOGY OF REPRODUCTION AND MILK SECRETION—3 cr. (3 and 0)

A study of the influence of the endocrine glands on reproduction and on milk secretion.

MR. HURST

DAIRY 505—NEWER KNOWLEDGE OF ANIMAL NUTRITION—3 cr. (3 and 0)

The application of the latest information on digestion, metabolism, and the nutritional requirements of animals.

MR. KING

DAIRY 590—RESEARCH—3 cr.

Original investigation is conducted on a selected problem and reported in a thesis.

STAFF

DAIRY 591—RESEARCH—3 cr.

A continuation of Dairy 590.

STAFF

DRAWING AND DESIGNING

MR. SHIGLEY

MR. BANISTER
MR. BRADBURY

MR. CARTER
MR. HUGHES
MR. MCHUGH

MR. HAMMOND
MR. NIX

D D 101—FREEHAND DRAWING—1 cr. (0 and 3)

A study of the principles of technical sketching, including the development of skills in technical lettering and freehand drawing.

DRAWING STAFF

D D 102—TECHNICAL DRAWING—1 cr. (0 and 3)

A study of the elementary principles of multi-view projection with emphasis upon the reading of technical drawings rather than upon their execution. *Prerequisite:* D D 101

DRAWING STAFF

D D 105—ENGINEERING DRAWING—2 cr. (0 and 6)

A comprehensive study of the language of the engineer. The course includes lettering, use of instruments, technical sketching, multi-view drawing, auxiliary projection, sectional views, dimensioning, fasteners, pipe drawings, and simple detail and assembly drawings.

DRAWING STAFF

D D 106—ENGINEERING DRAWING—2 cr. (0 and 6)

A continuation of D D 105. The course includes detail and assembly drawings, welding drawings, pictorial drawings, simple problems involving the point, line, and plane in descriptive geometry, structural drawing, developments and intersections, jigs and fixtures, and simple problems in cams and related motions. *Prerequisite:* D D 105

DRAWING STAFF

D D 205—APPLIED DESCRIPTIVE GEOMETRY—3 cr. (2 and 3)

A study of the theory of orthographic projection and its application to the graphical solution of three-dimensional space problems. A wide variety of practical problems are solved including problems dealing with points, lines, planes, single curved surfaces, and double curved surfaces. *Prerequisite:* D D 106

DRAWING STAFF

D D 305—KINEMATICS OF MACHINES—2 cr. (1 and 3)

A study of cams, linkages, and related mechanisms. The determination of velocities and accelerations in simple machines. A comprehensive study of toothed gearing, simple and planetary gear trains and miscellaneous mechanisms. *Prerequisite:* D D 106. Must parallel or follow Mech 303.

MR. SHIGLEY MR. BRADBURY MR. MCHUGH

D D 306—MACHINE DESIGN—2 cr. (1 and 3)

A study of the various "factors" which influence the design engineer's decision upon the size, material, or shape of a machine part, and its location in a machine. Review of materials and processes from the standpoint of design. The design of various machine elements. A selected group of laboratory problems to bring out the student's judgment, initiative, and ingenuity, and to unite all his previous experience and studies and focus them towards the solution of each problem. *Prerequisite:* D D 305. Must parallel or follow Mech 304.

MR. SHIGLEY MR. BRADBURY MR. MCHUGH

D D 460—MECHANICAL VIBRATIONS—3 cr. (3 and 0)

A study of mechanical vibrations with emphasis upon the solution of practical problems in the design and construction of machinery and structures. The study will include free vibrations with and without damping; forced vibrations; systems of one, two, and many degrees of freedom; Poyleigh's method applied to linear vibrations; Halzer's method applied to torsional vibrations; equivalent systems; measuring instruments; absorbers and dampers; the seismograph; self-excited vibrations; non-linear systems. *Prerequisites:* Mech 303 and 304

MR. SHIGLEY

D D 461—PHOTOELASTICITY—2 cr. (1 and 3)

A method of determining exact stresses and areas of stress concentration in complex shapes with both static and dynamic loading. The course includes study of the polariscope, development of fundamental relations, practice in the use of the photoelastic method, and finally original research on a project chosen by the instructor.

ECONOMICS

MR. BIGGS	MR. WOOD	MR. MACAULAY
*MR. TREVILLIAN	MR. DAVIS	MR. TAYLOR
	MR. LUDWIG	

ECON 201—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

This course, with its continuation, Econ 202, furnishes a basic introduction to the science of economics. Beginning with an examination of fundamental concepts, the course deals with principles of production and

*On leave

exchange, business organization and combination, and principles of money, banking and credit. Special emphasis is given to current economic problems.

ECONOMICS STAFF

ECON 202—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

Continuation of Econ 201 with special attention to the distribution of national income, value and price, foreign trade and exchange, economic problems of government such as taxation and government spending. Comparison is made of the economic structures of capitalism, socialism and communism. Consideration is given to current economic problems. *Prerequisite:* Econ 201

ECONOMICS STAFF

ECON 301—LABOR PROBLEMS—3 cr. (3 and 0)

Studies in the development of present day labor conflict and causes of industrial unrest. An analytical survey is made of such aspects as unemployment, low wages, industrial accidents and diseases, intervention of the State in behalf of the worker and the status of the worker in modern industrial society. Trade unionism and collective bargaining are contrasted with state legislation as devices for dealing with these problems. *Prerequisite:* Econ 201 and 202

MR. WOOD

ECON 302—MONEY AND BANKING—3 cr. (3 and 0)

A survey of the financial organization of society. Consideration of monetary systems, foreign exchange, credit instruments and principal types of financial institutions. Problems of credit control, monetary stabilization, banking regulation and reform are given special emphasis. *Prerequisite:* Econ 201 and 202

MR. TREVILLAN

ECON 312—COMMERCIAL LAW—3 cr. (3 and 0)

An introduction to law in its application to business. Special emphasis is given to legal principles and court opinions relating to contracts, personal property, negotiable instruments and related topics. *Prerequisite:* Junior standing

STAFF

ECON 401—ELEMENTARY ACCOUNTING—3 cr. (3 and 0)

Practice in handling real and nominal accounts, together with an introduction to the use of various types of books of original entry, statements of profit and loss, and balance sheets. The work of the course will consist of lectures and problems. *Prerequisite:* Econ 201 and Junior standing

STAFF

EDUCATION

	MR. WASHINGTON	
MR. BOOKER	MR. WHITE	MR. KIRKLEY
MR. BROCK	MR. BOWEN	MR. STRIBLING
MR. MONROE	MR. GENTRY	

EDUC 101—ORIENTATION—1 cr. (1 and 0)

The purpose of this course is to aid the freshman in adjusting himself to the college environment and his course of study.

MR. WASHINGTON, MR. BROCK, MR. MONROE, MR. GENTRY

EDUC 301—INTRODUCTION TO EDUCATION—3 cr. (3 and 0)

This course includes the principles of Education, the aims, purposes, and objectives of Vocational Education; and the basic principles underlying the development of programs of instruction for the various groups of farm people.

MR. KIRKLEY

EDUC 302—EDUCATIONAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the nature, capacities and equipment of the learner, the role of the environment, the nature and promotion of learning, the growth and maturity of personality and the evaluation of progress in education.

MR. STRIBLING

EDUC 305—PRINCIPLES OF SECONDARY EDUCATION—3 cr. (3 and 0)

A study is made of the principles and practices of general and vocational education, characteristics of learning, knowledge and thinking ability, motor, moral, and appreciative reactions, choice of subjects and activities, influence of age, maturity and individual differences, appraising results of education.

MR. WASHINGTON

EDUC 307—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The purpose of this course is to develop an industrial background for the teacher who is to have charge of a comprehensive industrial program in a community where an effort is being made to train young men and adult industrial workers in the individual skills of productive employment in industrial occupations. This includes woodworking, painting, metal working, and drafting, and also the interplay of skills between these as adapted to teaching situations.

MR. BROCK

EDUC 308—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The student is required to select his projects, furnish materials, make preliminary plans and sketches for them, and have these approved by the instructor. At the completion of each project in the laboratory the student is carefully examined concerning the work he has done.

MR. BROCK

EDUC 309—RURAL AND VILLAGE SCHOOL PROBLEMS—3 cr. (3 and 0)

This course is designed to introduce the student to the problems facing the teacher in rural and small town schools, and from this to determine the qualifications necessary for a successful teacher. A study is made of correlation of the curriculum with the desirable social trends in agricultural and industrial communities, the summer session, transportation problems, and the special qualifications of teachers.

MR. WHITE

EDUC 332—ORGANIZATION OF COURSES OF STUDY—3 cr. (3 and 0)

A study is made of purpose, scope, and use of job analysis in writing courses of study, writing and using instruction sheets for teaching, constructing achievement tests in industrial subjects. The student is required to select some subject and write a course of study based upon analyses of work covered under that subject. Prospective teachers are urged to select subjects which they expect to teach later.

MR. BROCK

EDUC 401—METHODS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

In this course, problems in teaching vocational agriculture in high school teaching are considered. Some of the problems are as follows:

organizing the teaching program; planning the course of study; making lesson plans; conducting field trips; farm shop work; Future Farmer work; supervised practice programs; and visual aids.

MR. MONROE

EDUC 402—DIRECTED TEACHING IN INDUSTRIAL SUBJECTS—6 cr. (1 and 15)

A study is made of organizing class, selection of teaching materials, planning work, discipline, teaching methods, examinations and grading, cooperation with school personnel, records and reports, inventories, and up-keep of equipment. Each student teacher periodically is given an opportunity to teach some industrial subject. During his teaching period, he is responsible for his class just as if he were an employed teacher of that subject, including conforming to the high school schedule and registration period. *Prerequisite*: Six semester credits in Professional Education, and approval of instructor.

MR. BROCK

EDUC 403—DIRECTED TEACHING: ALL-DAY CLASSES—3 cr. (0 and 9)

The purpose of this course is to develop the ability of prospective teachers to organize courses in vocational agriculture based on community farm problems, and practices, to conduct classes in accordance with sound educational principles of teaching, to gain experience in teaching, and to develop confidence in themselves as teachers. During the course, opportunity is given to observe and teach in nearby high school departments of vocational agriculture, under the supervision of the local teacher and a member of the agricultural education faculty. *Prerequisite*: This course should be taken concurrently with Educ 401.

AGRICULTURAL EDUCATION STAFF

EDUC 404—DIRECTED TEACHING: ADULT GROUPS—3 cr. (0 and 9)

This course should be taken concurrently with Educ 402. In it farmers' practices are secured and evaluated, pertinent information organized and taught. The supervision of the improvement of the farming practices of adult or special groups of farmers is given careful consideration, as well as teaching farmers to secure and use the cannery, shop and other community services.

AGRICULTURAL EDUCATION STAFF

EDUC 412—DIRECTED TEACHING IN HIGH SCHOOL SUBJECTS—6 cr. (1 and 15)

Supervised practice teaching is given in the natural and physical sciences, mathematics, civics, etc., in order to develop skill in the best methods of teaching these subjects. (Enrollment is by individual approval and may be dependent upon observing the high school schedule including registration, etc.) A study is made of selection of subject matter, planning work, methods of teaching, examinations, grading, discipline, cooperation with school personnel, records, and reports. *Prerequisite*: Six semester credits in Professional Education, and approval of instructor.

MR. GENTRY

EDUC 415—ADMINISTRATION OF VOCATIONAL AND OTHER SCHOOLS—3 cr. (3 and 0)

A course to acquaint the prospective teacher with modern administration technique in public education. Topics covered include: The public school curriculum, the administration of vocational departments, the duties of the principal and his relationship to the school board. Attention is also given to certain legal phases of school administration.

EDUC 421—COORDINATION METHODS IN VOCATIONAL EDUCATION—2 cr. (2 and 0)

A study is made of the major occupations in the United States and in South Carolina in order that prospective teachers may become informed as to possibilities in them and more intelligently give guidance to high school students. A survey is made of the youth problem, employment trends, general industrial conditions, kind of men industries want, survey of industrial plants, testing for mechanical aptitude, organizing occupations course in high school.

MR. BOOKER

EDUC 422—PROBLEMS IN ADULT EDUCATION—3 cr. (3 and 0)

This course should be taken concurrently with Educ 404. Determining the needs, securing and organizing necessary instructional material, planning lessons; teaching and supervising adult farmers or special groups receive major emphasis. The use of surveys, visual aids, publicity, school canneries, shop and other community services is included.

MR. BOWEN

EDUC 424—TECHNIQUE OF TEACHING—3 cr. (3 and 0)

The purpose of this course is to acquaint the prospective teacher with the most significant problems in trade and industrial teaching, to propose solutions for these problems consistent with most authoritative information available. The course covers methods of teaching mathematics, science and other appropriate subject matter; organizing classes; selection of equipment and tools; ways of securing materials and supplies for school shop; introducing, financing, and advertising a shop program; methods of teaching; and discipline.

MR. GENTRY

EDUC 458—HEALTH EDUCATION FOR TEACHERS—3 cr. (3 and 0)

The purpose of this course is to provide prospective teachers with information which is needed in order that they may cooperate effectively with public health agencies in the promotion of improvement in the health of school pupils. Emphasis will be placed on problems of sanitation, nutrition, personal hygiene, health records, immunization, and necessary adaptations of instruction for exceptional children. A study of safety practices is also included.

MR. GENTRY

EDUC 497—AUDIO-VISUAL AIDS IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide opportunities for study and use of moving pictures, film strips, cameras, photographs, charts, maps, globes, recording and sound devices, x-rays, radio, and other devices for preparing material and for teaching.

MR. BROCK

EDUC 505—OCCUPATIONAL GUIDANCE AND PLACEMENT—3 cr. (3 and 0)

The organization and administration of a guidance program for schools of all sizes. A careful analysis is made of methods of interviewing students and counseling techniques involved in guidance. Data are collected on placement and follow-up work. A careful study is made of the needs for guidance in communities near the College.

MR. MONROE

EDUC 506—HISTORY AND PHILOSOPHY OF EDUCATION—3 cr. (3 and 0)

This course attempts to study the development of education over the different periods of civilization beginning with Athenian education and

tracing the educational movements through the different periods of history with emphasis being placed upon the development of education in the United States. With each period studied attention is first directed to the central features of the social order, to the dominant ideology, to the social structure, the classes of economic interest, and to the sources of political power, and the formation of political institutions and social arrangements. Educational policies and practices and newer philosophy of American education are given detailed attention.

MR. BOOKER

EDUC 508—EDUCATIONAL TESTS AND MEASUREMENTS—3 cr. (3 and 0)

A study of improved methods and techniques which may be used in the measurement of intelligence, specific aptitudes, and achievement. A survey is made of standardized tests, the sources from which they may be secured, and the purposes which may serve in classification and/or instruction of students. Emphasis is given to the construction of informal tests of achievement, and to the administration and interpretation of standardized group tests. Practice is provided in the use of standardized tests. The relationship of time and motion studies to industrial operations is considered.

MR. GENTRY

EDUC 550—RESEARCH IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is for the student to study and conduct research, organize data, study forms and methods of recording research in agricultural, industrial, and general education and to write and present to the instructor and later to the Graduate Committee a thesis. Credit on this course involves approved plans submitted through instructor of either Educ 551, 553, and 555.

EDUC 551—RESEARCH AND THESIS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. WHITE

EDUC 553—RESEARCH AND THESIS IN EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. GENTRY

EDUC 555—RESEARCH AND THESIS IN INDUSTRIAL EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. BROCK

ELECTRICAL ENGINEERING

	MR. RHODES	
MR. TINGLEY	MR. GILES	*MR. POE
MR. HALLMARK	MR. GOODIN	*MR. ADAMS
MR. BECKER	MR. KERSEY	MR. JONES
MR. BEYER	MR. LONG	MR. MARTIN

E E 211—ELECTRIC CIRCUITS—3 cr. (3 and 0)

An introductory course in fundamental theory of electric and magnetic circuits with illustrative applications to electrical apparatus. *Prerequisite:* Enrollment in Math 203 and Phys 212 and 214

MR. HALLMARK MR. JONES

E E 212—ELECTRIC FIELDS—3 cr. (2 and 3)

A continuation of E E 211 embracing the study of electromagnetic and dielectric fields and simple transients. Contains a correlated laboratory course. *Prerequisite:* E E 211; Phys 212, 214; and enrollment in Math 204

MR. RHODES MR. JONES

E E 303—ELECTRIC CIRCUITS AND MACHINES—4 cr. (3 and 3)

An elementary course in circuits and machines and their applications in industry. Planned for Civil Engineering, Agricultural Engineering and Industrial Education students. *Prerequisite:* All mathematics and physics courses listed in the respective curricula in which E E 303 is required.

MR. MARTIN

E E 304—VOCATIONAL ELECTRICITY—2 cr. (1 and 3)

A brief course designed to assist Industrial Education students in planning electrical courses for high school students. *Prerequisite:* E E 303

MR. JONES

E E 307—DIRECT-CURRENTS AND MACHINES—4 cr. (3 and 3)

Fundamental theory of direct-currents and machines with special emphasis on operating characteristics and industrial applications. *Prerequisite:* Math 203, and 204; Phys 211, 212, 213, and 214

MR. GOODIN

*On leave

E E 308—ALTERNATING-CURRENT CIRCUITS AND MACHINES—4 cr. (3 and 3)

A continuation of E E 307 designed for a similar study of alternating-currents and machines with typical industrial applications. *Prerequisite:* E E 307

MR. LONG MR. MARTIN

E E 311—DIRECT-CURRENT MACHINERY—4 cr. (3 and 3)

The theory, construction, and operating characteristics of direct generators, motors and control equipment, accompanied by a coordinated series of laboratory tests. *Prerequisite:* E E 211 and 212

MR. KERSEY

E E 315—ALTERNATING-CURRENT CIRCUITS—3 cr. (3 and 0)

A comprehensive study of alternating-current fundamentals. Use of the vector algebra method of solution of circuit problems. *Prerequisite:* E E 211 and 212

MR. LONG

E E 316—ALTERNATING-CURRENT CIRCUITS—4 cr. (3 and 3)

A continuation of E E 315 including the solution of problems involving non-sinusoidal currents, coupled circuits and balanced and unbalanced polyphase systems. Coordinated laboratory experiments included. *Prerequisite:* E E 315

MR. BECKER

E E 320—ELECTRONICS—4 cr. (3 and 3)

An introduction to electron tubes and circuits. Embraces thermionic emission, vacuum and gas filled tubes, photo-sensitive devices, cathode-ray tubes and rectifiers. Includes laboratory investigations and demonstrations. *Prerequisite:* E E 315; and enrollment in E E 316

MR. HALLMARK

E E 405—ELECTRICAL DESIGN—1 cr. (0 and 3)

The application of fundamental principles of electric and magnetic circuits through a series of design problems correlating with direct-current and alternating-current machinery courses. *Prerequisite:* E E 311, and enrollment in E E 411

MR. RHODES

E E 406—ELECTRICAL DESIGN—1 cr. (0 and 3)

A continuation of E E 405 with specific application to synchronous and induction machinery problems. *Prerequisite:* E E 411

MR. RHODES

E E 411—ALTERNATING-CURRENT MACHINERY—5 cr. (3 and 6)

The application of fundamental circuit theory to alternating-current machinery. Study of the construction, theory, and operating characteristics of transformers and synchronous generators and motors. *Prerequisite:* E E 316

MR. BEYER MR. GILES

E E 412—ALTERNATING-CURRENT MACHINERY—4 cr. (3 and 3)

A continuation of E E 411 covering the theory, operating characteristics and industrial applications of induction motors, converters, and the principal types of commutator motors. *Prerequisite:* E E 411

MR. RHODES MR. TINGLEY

E E 415—ADVANCED CIRCUITS—3 cr. (3 and 0)

A continuation of E E 315 and E E 316 embracing studies of transmission line calculations, electric filters, symmetrical components and power short-circuit calculations. *Prerequisite:* E E 316

MR. BEYER

E E 422—ELECTRIC DISTRIBUTION—2 cr. (2 and 0)

Technical and economic features of local wiring systems; city and rural distribution; control and protective equipment. Includes reference studies. *Prerequisite:* E E 316; and enrollment in E E 411

MR. GILES

E E 426—ELECTRIC TRANSIENTS—3 cr. (2 and 3)

A course, largely experimental, covering physical phenomena and mathematical analysis of electric circuits and machines in transient state. Open to a limited number of advanced Electrical Engineering students. *Prerequisite:* E E 316, Math 306 and enrollment in E E 411

MR. TINGLEY

E E 427—ADVANCED A.C. MACHINERY—3 cr. (3 and 0)

Supplementary to E E 411 and E E 412 and covering special and more complex features of alternating equipment. Planned for Electrical Engineering students electing Electric Power engineering. *Prerequisite:* E E 411; and enrollment in E E 412

MR. RHODES

E E 431—RADIO COMMUNICATION—4 cr. (3 and 3)

A study of the component circuits involved in radio communication systems; audio and radio frequency amplifiers, detectors, oscillators, amplitude modulation systems, power supplies and transmitter and receiver circuits. *Prerequisite:* E E 316, E E 320 and enrollment in E E 415

MR. BECKER

E E 432—RADIO COMMUNICATION—4 cr. (3 and 3)

A continuation of E E 431. Includes frequency modulation, antennas and radio frequency transmission lines, ultra high frequency oscillators and detectors, and elementary acoustics and sound systems. *Prerequisite:* E E 431

MR. HALLMARK

E E 433—INDUSTRIAL ELECTRONICS—3 cr. (2 and 3)

A course embracing the theory and applications of electronic equipment especially designed for industrial applications with special emphasis given to the study of rectifiers, high frequency heating, welding controls, x-ray analysis, speed and voltage regulators, synchronizers, timers, etc. *Prerequisite:* E E 320 and E E 411

MR. TINGLEY

E E 436—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations, wave guides, radiation, antennas and propagation of waves in space. *Prerequisite:* E E 431

MR. HALLMARK

E E 501—ADVANCED ELECTRIC TRANSIENTS—3 cr. (3 and 0)

A study of linear electrical systems using Laplace transformation to determine transient as well as steady state response. Emphasis will be placed on Operational Calculus to solve integral-differential equations of the system.

MR. TINGLEY

E E 511—ELECTRIC POWER STATIONS—3 cr. (3 and 0)

A comprehensive study of station lay-out, generating equipment, excitors, transformers, meters, switching and protective devices. Economical arrangement and operation are emphasized.

MR. RHODES

E E 513—POWER SYSTEM STABILITY—3 cr. (3 and 0)

A course designed to provide the student with the basic theory of both steady state stability and transient stability and their applications to system and apparatus design.

MR. BEYER

E E 514—POWER SYSTEM STABILITY—3 cr. (3 and 0)

A continuation of E E 513

E E 520—ULTRA-HIGH FREQUENCY TECHNIQUES—4 cr. (3 and 3)

Applications of conventional tubes at high frequencies, characteristics of the magnetron and velocity modulated tubes, Cathode ray tubes and circuits, applications of transmission lines, waveguides and cavity resonators. *Prerequisite:* E E 432 or the equivalent.

MR. HALLMARK

E E 521—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations and their use in the study of wave guides, radiation, and wave propagation.

MR. HALLMARK

E E 591—RESEARCH—3 cr.

Research and development of a project leading to a master's degree.

E E 592—RESEARCH—3 cr.

A continuation of E E 591

ENGLISH

MR. BRADLEY

MR. KINARD	MR. OWINGS	MR. WINTER
MR. J. C. GREEN	MR. FELDER	MR. CASKEY
MR. LANE	MR. MCGEE	MR. J. T. COX
MR. TAYLOR	MR. POWELL	MR. GOLDSGAR
*MR. H. M. COX	MR. PURSER	MR. HOLT
*MR. C. B. GREEN	MR. WATSON	MR. TYNER
MR. MACINTOSH	MR. WILSON	

ENGL 100—REMEDIAL ENGLISH—Non-credit (3 and 0)

A refresher course for students failing the placement test for English 101; a thorough review of grammar, punctuation, and sentence structure with drill in general correctness; some study of the principles of the paragraph, the whole composition, and letter writing.

THE ENGLISH STAFF

ENGL 101—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A course intended to train the student in correct and effective expression and to acquaint him with the various kinds of good writing. *Prerequisite:* Satisfactory score on the English Placement test or successful completion of Engl 100

THE ENGLISH STAFF

ENGL 102—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A continuation of the work of English 101 with word study, a wider scope of reading, and special attention to longer pieces of writing. *Prerequisite:* Engl 101

THE ENGLISH STAFF

ENGL 203—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A study of the chief authors and works in English literature from *Beowulf* to the beginning of the Romantic movement. *Prerequisite:* Engl 101 and 102

THE ENGLISH STAFF

*On leave.

ENGL 204—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A continuation of English 203 including a study of the chief authors of the Romantic and Victorian periods. Prerequisite: Engl 101 and 102

THE ENGLISH STAFF

ENGL 300—ENGLISH AT WORK—1 to 4 cr.

A study of the duties and responsibilities shouldered by students who edit uncensored publications. Professional journalists and other qualified individuals from the campus and elsewhere lead the discussions and offer constructive criticism. As often as practicable, the most recent issue of a student publication is selected for discussion. Enrollment is limited to staff members of student publications. Extra credits by approval of Faculty Adviser only. *Prerequisite:* Engl 101 and 102

MR. LANE

ENGL 301—PUBLIC SPEAKING—3 cr. (3 and 0)

A course of practical training in public speaking: the improvement of articulation, voice, and platform presence; the writing and delivery of short speeches; impromptu and extemporaneous speaking and debating; dummy broadcasting and drill with recording equipment for improvement in voice and oral composition. *Prerequisite:* Engl 203 and 204

MR. BRADLEY	MR. OWINGS	MR. WATSON
MR. J. C. GREEN	MR. MCGEE	MR. WILSON
MR. LANE	MR. PURSER	MR. WINTER

ENGL 305—EXPOSITORY WRITING—3 cr. (3 and 0)

Training in the processes of expository writing or explanation; the qualities and tools of exposition; various forms of expository writing. *Prerequisite:* Engl 203 and 204

MR. PURSER

ENGL 400—THE THESIS—1 cr. (0 and 3)

A course in practical guidance to the student in making research and presenting the results in proper form; statement of the problem with origin and history; object and scope of the investigation; application of results; plan of procedure. (To be prepared under the direction of a member of the School of Arts and Sciences and approved by him, as to content, and by a member of the English Department, as to form.) *Prerequisite:* Engl 203 and 204

ENGL 405—SHAKESPEARE—3 cr. (3 and 0)

To give the student as comprehensive an acquaintance as possible with Shakespeare's plays and some understanding of his development as a dramatist. *Prerequisite:* Engl 203 and 204

MR. TAYLOR

ENGL 406—SHAKESPEARE—3 cr. (3 and 0)

A continuation of the work as outlined in Engl 405. *Prerequisite:* Engl 203 and 204

MR. TAYLOR

ENGL 409—CHAUCER—3 cr. (3 and 0)

A study of the language, verse forms, and stories of Chaucer; reading from the *Prologue and the Canterbury Tales*; supplementary reading of historical and critical authors. *Prerequisite:* Engl 203 and 204

MR. BRADLEY

ENGL 410—CHAUCER—3 cr. (3 and 0)

Continuation of the work of English 409 with wider reading in the works of Chaucer; reading of *Troilus and Creiseyde* with a study of motivation for the love casuistry and tragic element of the poem. *Prerequisite:* Engl 409

MR. BRADLEY

ENGL 415—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Aeschylus to Ibsen, analysis of representative plays, writing of critical reports, practice in classroom reading of great scenes. *Prerequisite:* Engl 203 and 204

MR. LANE

ENGL 416—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Ibsen to the present days, analysis of representative plays, writing of critical reports, classroom reading of great scenes, and discussion of all important aspects of modern drama. *Prerequisite:* Engl 203 and 204

MR. LANE

ENGL 419—SELECTED MASTERPIECES—3 cr. (3 and 0)

A study of a variety of literary masterpieces, principally from English literature but including some world literature in English translation, with emphasis on acquaintance with and appreciation of individual outstanding works. *Prerequisite:* Engl 203 and 204

MR. KINARD

ENGL 420—SELECTED MASTERPIECES—3 cr. (3 and 0)

A continuation of English 419 using different selections. *Prerequisite:* Engl 203 and 204

MR. KINARD

ENGL 423—AMERICAN LITERATURE—3 cr. (3 and 0)

To give the student a more thorough knowledge and a deeper appreciation of the literature of the United States; beginning with the earlier selections and outstanding authors, the study ends with period immediately preceding the Civil War; special emphasis is given to Poe, Emerson, Hawthorne, and Melville. *Prerequisite:* Engl 203 and 204

MR. J. C. GREEN

ENGL 424—AMERICAN LITERATURE—3 cr. (3 and 0)

A continuation of study from Whitman to the present with emphasis upon the literature of the South. *Prerequisite:* Engl 203 and 204

MR. J. C. GREEN

ENGL 425—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

A study of the rise of Romanticism in English Literature; an evaluation of the contribution of the Eighteenth Century forerunners, followed by a study of Wordsworth, Coleridge, and Scott. *Prerequisite:* Engl 203 and 204

MR. OWINGS

ENGL 426—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

Continuation of the work of English 425 with particular emphasis on the poets: Byron, Shelley, and Keats and on the essayists: Hazlitt, Lamb, DeQuincey, and Leigh Hunt. *Prerequisite:* Engl 203 and 204

MR. OWINGS

ENGL 427—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Tennyson, Browning, Carlyle, and John Stuart Mill. Some consideration of the intellectual, social, and political life of England in the first half of the nineteenth century. *Prerequisite:* Engl 203 and 204

MR. C. B. GREEN

ENGL 428—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Arnold, Swinburne, Ruskin, and Pater. An examination of some of the theories of life and art which influenced the writings of these men. *Prerequisite:* Engl 203 and 204

MR. C. B. GREEN

ENGL 429—THE ENGLISH NOVEL—3 cr. (3 and 0)

A survey of major English novelists from Defoe to Scott. Selections will vary from year to year, and students will be allowed some latitude in their choice of readings. *Prerequisite:* Engl 203 and 204

MR. H. M. COX

ENGL 430—THE ENGLISH NOVEL—3 cr. (3 and 0)

A continuation of English 429, with emphasis upon English Victorian novelists. *Prerequisite:* Engl 203 and 204

MR. H. M. COX

ENGL 431—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A brief background survey of the literature and thought of the Restoration (Dryden, Denham, Cowley, Hobbes, Locke, Mandeville, Halifax, Bunyan, Evelyn, Pepys, Butler, Temple, Cibber, and Shaftesbury) followed by readings in Prior, Swift, Defoe, Pope, Gay, and Addison and Steele. *Prerequisite:* Engl 203 and 204

MR. MACINTOSH

ENGL 432—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A study of Goldsmith, Johnson, Boswell, Burke, and the Earl of

Chesterfield, together with some consideration of the poetry of Young, Thomson, Shenstone, Collins, Cowper, Gray, and Blake. *Prerequisite:* Engl 203 and 204

MR. MACINTOSH

ENTOMOLOGY

MR. FARRAR

MR. DUNAVAN

MR. WARE

MR. WARNHOFF

ENT 301—ELEMENTARY AND ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

A general introduction to Entomology with emphasis on anatomy, metamorphosis, life-histories of our most important species and methods of control. *Prerequisite:* Zool 101 and 103

MR. WARNHOFF

ENT 302—GENERAL ENTOMOLOGY—3 cr. (2 and 3)

This course designed especially for students who take major work in Entomology provides basic training in general phases of Entomology covering especially metamorphosis, classification, habits and characteristics of members of principal families of all orders of insects. Special attention is also given to technique of collecting and preserving insects. *Prerequisites:* Zool 101, 103 and Ent 301

MR. DUNAVAN

ENT 401—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

This course affords training in identification and life-histories of injurious insects, their damage, and control measures. Common pests of the following are studied: corn, small grains, legume field crops, tobacco, sugar cane, stored grain and seed, livestock and man. *Prerequisites:* Zool 101, 103 and Ent 301

MR. WARNHOFF

ENT 402—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

An intensive study of insecticides and other control measures for insects. This is followed by detailed study of habits, life-histories and approved control measures for insect pests of all fruit and vegetable crops. *Prerequisites:* Zool 101, 103 and Ent 301

MR. WARNHOFF

ENT 405—INSECT MORPHOLOGY—3 cr. (2 and 3)

A course especially arranged for students with major work in Entomology. A detailed study of external and internal anatomy of insects. *Prerequisites:* Ent 301 and Ent 302

MR. DUNAVAN

ENT 406—BEEKEEPING—3 cr. (2 and 3)

A study of practical beekeeping methods. Each student personally manages a hive of bees throughout the term. Special attention is given to bee behavior, spring and fall management and honey production methods. *Prerequisite:* Ent 301

MR. DUNAVAN

ENT 451—INTRODUCTION TO RESEARCH—2 cr. (1 and 3)

A study of approved methods of investigating entomological problems. Each student conducts a study of the life history of several insects. Laboratory techniques using insects for biological research are applied to a minor problem.

MR. FARRAR

ENT 452—TAXONOMIC ENTOMOLOGY—2 cr. (1 and 3)

A study of principles involved in the systematic classification of insects with some attention to historical aspects including great taxonomists of the past. Intensive studies of generic characteristics of insects in several major families are made. *Prerequisite:* Zool 101, 103, Ent 301, and Ent 302

MR. DUNAVAN

ENT 456—PARASITOLOGY—3 cr. (2 and 3)

Designed to give technical training in parasites affecting man and domestic animals. Life cycles, vectors, and practical controls are emphasized.

MR. WARNHOFF

ENT 460—SEMINAR—2 cr. (2 and 0)

Students review the principal journals pertaining to insects and related animals; also review the lives and activities of prominent pioneer entomologists. *Prerequisites:* Zool 101, 103 and 301; Ent 301 and 302

MR. FARRAR

FORESTRY

MR. LEHOTSKY

FOR 201, 203—GENERAL FORESTRY—3 cr. (2 and 3)

A general introduction to and survey of the field of forestry. An introductory course for pre-forestry students, and a survey of the field of regional, national and world forestry problems arranged for non-foresters. The forest resource and its place in human welfare.

MR. LEHOTSKY

FOR 202, 204—DENDROLOGY—4 cr. (3 and 3)

The identification of the commercially important trees of the United States including nomenclature; family, genus and species characteristics; range and distribution. Field identification of the trees native to South Carolina and of commonly planted exotics. *Prerequisites*: Bot 101 and 103

MR. LEHOTSKY

FOR 205, 207—FARM FORESTRY—3 cr. (2 and 3)

A study of the general problems dealing with the scientific management of small forest areas. Tree identification, tree measurements, forest measurements, forest products, silvicultural management of the important forest types of the region, intermediate and final cuttings, plantations, marketing of forest products and forest protection. Laboratory and field work on college forest lands and forestry operations. *Prerequisites*: Bot 101, and 103

MR. LEHOTSKY

FRENCH

MR. DEAN

MR. HARDEE

FR 101—ELEMENTARY FRENCH—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. DEAN

FR 102—ELEMENTARY FRENCH—3 cr. (3 and 0)

A continuation of Fr 101, in which a reader is also used.

MR. DEAN

FR 201—INTERMEDIATE FRENCH—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Fr 102 and the beginning of more serious reading of French prose in short stories or novels.

MR. DEAN

FR 202—INTERMEDIATE FRENCH—3 cr. (3 and 0)

While attention is paid to writing and speaking French, more stress is laid on the rapid reading of more difficult French prose than in the earlier courses.

MR. HARDEE

FR 301—ADVANCED FRENCH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific French prose.

MR. DEAN

FR 302—ADVANCED FRENCH—3 cr. (3 and 0)

A continuation of Fr 301, with selections being made to suit the needs of the students.

MR. DEAN

GEOGRAPHY

*MR. CARPENTER

GEOG 301—ECONOMIC GEOGRAPHY—3 cr. (3 and 0)

A study of the geographic conditions fundamental to the world's resources—agricultural, mineral, and industrial, and the conditions which affect their production, exchange, and consumption. A special study will be made of the South. *Prerequisite*: Junior Standing

MR. CARPENTER

*On leave

GEOG 302—GEOPOLITICS—3 cr. (3 and 0)

A study of the geopolitical pattern of great powers, nations and dependencies; their territorial structure, resources, and connections. An examination of the principles of political geography, their application to current history, from an American geographical viewpoint. *Prerequisite:* Junior Standing

MR. CARPENTER

GEOLOGY AND MINERALOGY**GEOL 201—AGRICULTURAL GEOLOGY—3 cr. (3 and 0)**

In this course the student is shown the relationships existing between geology and practical agricultural problems, especially those in connection with soil formation and adaptation. Soil making minerals and rocks; formation of soils and rocks, the question of the relation of underground water to springs, wells and drainage problems is considered.

GEOL 203—GENERAL GEOLOGY—3 cr. (3 and 0)

This course is intended to familiarize students with geology as applied not only to a thorough enjoyment of nature, but also to its many practical applications.

GEOL 204—GENERAL GEOLOGY—3 cr. (3 and 0)

In the second semester the evolution of the earth, through all of its changes to the geography and life of the present day, is traced.

GEOL 302—OPTICAL MINERALOGY—4 cr. (3 and 3)

A study of the use of the microscope for the identification of ceramic materials and the mineral constituents of ceramic products.

GEOL 306—MINERALOGY—4 cr. (3 and 3)

The purpose is to give the student a comprehensive knowledge of crystallography and descriptive and determinative mineralogy.

GEOL 402—METEOROLOGY—2 cr. (2 and 0)

A course designed to give the general principles of meteorology and climatology as applied to farming, aviation, and to those sciences which require a knowledge of such principles.

GEOL 406—ENGINEERING GEOLOGY—3 cr. (3 and 0)

A course that shows the practical application of geology to problems of engineering. Topographic and geologic maps are used extensively in connection with the text.

GERMAN**MR. RHYNE****GER 101—ELEMENTARY GERMAN—3 cr. (3 and 0)**

A course for beginners, in which through conversation, composition and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. RHYNE**GER 102—ELEMENTARY GERMAN—3 cr. (3 and 0)**

A continuation of Ger 101, in which a reader is also used.

MR. RHYNE**GER 201—INTERMEDIATE GERMAN—3 cr. (3 and 0)**

A short review of grammar, with conversation, composition, and dictation continued from Ger 102 and the beginning of more serious reading of German prose in short stories or novels.

MR. RHYNE**GER 202—INTERMEDIATE GERMAN—3 cr. (3 and 0)**

While attention is paid to writing and speaking German, more stress is laid on the rapid reading of more difficult German prose than in the earlier courses.

MR. RHYNE**GER 301—ADVANCED GERMAN—3 cr. (3 and 0)**

Rapid reading of difficult literary or scientific German prose.

MR. RHYNE

GER 302—ADVANCED GERMAN—3 cr. (3 and 0)

A continuation of Ger 301, with selections being made to suit the needs of the students.

MR. RHYNE

GOVERNMENT

	MR. LANDER	
MR. EPTING	MR. WILLIAMS	MR. LAMBERT
MR. CROUCH	*MR. CARPENTER	*MR. TUTTLE
MR. BOLEN	MR. JUMPER	*MR. WEBB

Gov 101—AMERICAN NATIONAL GOVERNMENT—3 cr. (3 and 0)

A survey of the principles, structure, and functions of the national government of the United States. Not open to Juniors and Seniors.

STAFF

Gov 301—AMERICAN GOVERNMENT AND POLITICAL PARTIES—3 cr. (3 and 0)

A study of the constitution; powers and functions of executive, legislative, and judicial branches; citizenship; expansion of governmental activities; relations to the states, and territories. A study of the nature, development, organization, and methods of political parties, and the conduct of elections. *Prerequisite:* Not open to those who have completed Gov 101.

STAFF

Gov 302—STATE AND LOCAL GOVERNMENT—3 cr. (3 and 0)

An integrated study of American state and local government structural features, functions and legislative, administrative, and judicial processes. *Prerequisite:* Gov 101 or 301 and permission of the instructor.

MR. EPTING

Gov 401—COMPARATIVE GOVERNMENT—3 cr. (3 and 0)

A study of the historical development of present-day political institutions and a comparison of the functioning of these institutions in the United States, Great Britain, Russia, Switzerland, and other countries. *Prerequisite:* Gov 101 and permission of the instructor

MR. BOLEN

*On leave

GOV 403—INTERNATIONAL RELATIONS—3 cr. (3 and 0)

To acquaint the student with current world movements and conditions, so that he may be able to think intelligently on the problems confronting our nation. *Prerequisite:* Senior standing

MR. CROUCH

HISTORY

MR. EPTING

MR. WILLIAMS

MR. LAMBERT

MR. BOLEN

*MR. CARPENTER

*MR. TUTTLE

MR. LANDER

MR. JUMPER

*MR. WEBB

HIST 101—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic, and social development of the American people from the period of discovery to the end of the Civil War.

STAFF

HIST 102—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic and social development of the American people from the end of the Civil War to the present.

STAFF

HIST 301—HISTORY OF THE UNITED STATES SINCE 1865—3 cr. (3 and 0)

An advanced study of the political, social, and economic development of the United States since the end of the Civil War. *Prerequisite:* Junior standing. Not open to students who have completed Hist 102.

STAFF

HIST 303—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic and social institutions, as well as the outstanding personalities of Western Civilization from ancient times to 1648. *Prerequisite:* Junior standing or permission of instructor.

MR. BOLEN

*On leave

HIST 304—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic, and social conditions and institutions, as well as the outstanding personalities of Western Civilization from 1648 to the present. *Prerequisite:* Junior standing or permission of instructor.

MR. BOLEN

HIST 306—AMERICAN BIOGRAPHY—3 cr. (3 and 0)

A study of political leaders of the United States with emphasis on the significance of leadership in United States history and critical appreciation of biographical writing. *Prerequisite:* Junior standing.

MR. WILLIAMS

HIST 307—A DIPLOMATIC HISTORY OF THE UNITED STATES—3 cr. (3 and 0)

A history of United States foreign relations from 1775 to date with emphasis being placed upon the directing forces, particularly public opinion, that have shaped American diplomatic policies. Also stressed are the causes and results of all foreign wars in which the United States has been engaged. *Prerequisite:* Junior standing

MR. LANDER

HIST 308—EUROPE SINCE 1918—3 cr. (3 and 0)

A history of Europe since the end of World War I with emphasis being placed upon the rise to power of the Communist, Fascist, and National Socialist regimes in Russia, Italy, and Germany, respectively. *Prerequisite:* Junior standing

MR. BOLEN

HIST 309—HISTORY OF ENGLAND—3 cr. (3 and 0)

A study of the economic, political, and social institutions of the English people from early times to the present. *Prerequisite:* Junior standing.

MR. BOLEN

HIST 311—HISTORY OF LATIN AMERICA—3 cr. (3 and 0)

A survey of the political, economic, social, and cultural development of Latin America. *Prerequisite:* Junior standing.

MR. EPTING

HIST 401—HISTORY OF SOUTH CAROLINA—3 cr. (3 and 0)

A study of the political, economic and social conditions and institutions of South Carolina from 1670 up to the present.

A special feature is a study of the outstanding personalities and of the historical literature. *Prerequisite:* Junior or Senior standing or permission of instructor

MR. EPTING

HIST 403—HISTORY OF THE SOUTH TO 1865—3 cr. (3 and 0)

A study of the geography and climate of the South and the origins and development of political, economic, social, and cultural institutions. *Prerequisite:* Junior standing

MR. WILLIAMS

HIST 404—HISTORY OF THE SOUTH SINCE 1865—3 cr. (3 and 0)

A study of the economic and social changes in the South during the Reconstruction period and of trends in industrialization, agriculture, politics, race relations, and culture to the present. *Prerequisite:* Junior standing

MR. LANDER

HIST 405—THE AMERICAN FRONTIER—3 cr. (3 and 0)

A course dealing specifically with American expansion westward from the original colonies. This course will consider the westward movement in respect to population, political, economic, social and cultural development; analyze the process of national adjustments; and weigh the contributions of each succeeding period. It will consider both the early West and the Trans-Mississippi West. *Prerequisite:* Junior standing

MR. WILLIAMS

HIST 406—HISTORY OF MANUFACTURING IN THE UNITED STATES—3 cr. (3 and 0)

A study of the sustained growth of manufacturing in the United States since the Revolutionary War. Particular emphasis is placed on the history of major basic industries. The course will consider the economic, political, and social effects of industrial growth on American history. *Prerequisite:* Junior standing, or permission of the instructor.

MR. WILLIAMS

HORTICULTURE

	MR. MUSSER	
MR. GARRISON	MR. VAN BLARICOM	*MR. SENN
MR. SEFICK	MR. LINDENBERG	MR. THODE

HORT 201—GENERAL HORTICULTURE—3 cr. (2 and 3)

A study of the fundamental plant processes, the influence of light, temperature, water and nutrients upon vegetative growth and reproduction of horticultural crops. Production practices, harvesting, storage and marketing of the principal fruit, vegetable and ornamental crops are discussed with demonstrations and practice in greenhouse and orchard. *Prerequisite:* Bot 101, 103 and Chem 101

MR. SEFICK MR. LINDENBERG

HORT 301—PRINCIPLES OF VEGETABLE PRODUCTION—3 cr. (2 and 3)

A study of the general principles of vegetable growing and handling. Phases receiving special emphasis are: economic importance, producing areas, management practices, plant forcing, cultural practices, irrigation, quality factors, harvesting, grading, packing, storage, market inspection, transportation, refrigeration, exhibition, roadside marketing, and seed production. *Prerequisite:* Hort 201

MR. GARRISON

HORT 305—PLANT PROPAGATION AND NURSERY MANAGEMENT—3 cr. (2 and 3)

A study of methods of propagation; time, manner, and material for making cuttings; temperature and media for rooting cuttings of ornamental trees, shrubs and flowering plants; propagating structures, soils, fertilizers, and management methods for commercial nurseries. Practical instruction given in field and greenhouse. *Prerequisite:* Hort 201

MR. THODE

HORT 306, 308—ELEMENTARY LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of plant material used in landscape design; instruction in landscaping and developing home grounds and execution of design.

MR. THODE

*On leave

HORT 401, 403—LANDSCAPE DESIGN—3 cr. (2 and 3)

Instruction in the use of plant material used in landscaping homes, parks and small estates and designing of larger areas. Designs to be executed in detail. *Prerequisites*: Hort 306 and 308

MR. THODE

HORT 402, 404—GARDEN DESIGN—3 cr. (2 and 3)

Instruction in design of both formal and informal gardens; use of herbaceous plant material and execution of plans. *Prerequisites*: Hort 306 and 308

MR. THODE

HORT 405—NUT CULTURE AND SPRAYS—3 cr. (2 and 3)

Part I—Nut Culture—a study of production, harvesting and marketing of the principal nut crops with emphasis on the pecan.

Part II—Sprays and application equipment—a study of the properties of spray chemicals, their influence on plant functions, effectiveness in controlling pests of horticultural crops and methods of application. *Prerequisite*: Hort 201

MR. SEFICK

HORT 409—SEMINAR—1 cr. (1 and 0)

A study of recent research work on various phases of horticulture, methods of conducting investigations and preparation of report of investigations.

MR. MUSSER AND STAFF

HORT 410—SEMINAR—1 cr. (1 and 0)

A continuation of Hort 409.

MR. MUSSER AND STAFF

HORT 415—FLORICULTURE—3 cr. (2 and 3)

A study of greenhouse production of commercial flower crops, soils, fertilizers, greenhouse diseases and insects, flower crops (major crops: roses, carnations, chrysanthemums; minor crops: sweet peas, snapdragons,

violets, calendula, asters, gardenia, poinsettia, bulbs in variety) to be grown on benches and as pot plants; marketing and costs of production. *Prerequisites:* Hort 201 and 305

MR. THODE

HORT 451—SYSTEMATIC POMOLOGY AND SMALL FRUIT CULTURE—3 cr. (2 and 3)

Part I—Systematic Pomology—A study of the structure of fruit plants—physiological characters; methods of work in systematic pomology; habitat, history, color, form, structure, flavor and use of fruits; judging and displaying fruits.

Part II—Small Fruit Culture—A study of varieties, soils, sites, culture, fertilizers, harvesting and preparation for marketing of grapes, strawberries, dewberries, blackberries, raspberries and other small fruits. *Prerequisite:* Hort 201

MR. MUSSER

HORT 452—COMMERCIAL POMOLOGY—3 cr. (2 and 3)

A study of fruit bud formation, rest period and water relations of fruit plants, soils, fruit setting; orchard soil management and responses of various fruits to fertilizers, principles of pruning, effect of climatic differences, freezing of tissues and means of avoiding injury, harvesting, transportation, and storage. *Prerequisite:* Hort 201

MR. MUSSER

HORT 455—BREEDING HORTICULTURAL CROPS—3 cr. (2 and 3)

A study of the principles and practices of plant breeding. The principal topics include: inheritance of characters, modes of reproduction, techniques of selfing and crossing, selection, hybridization, disease and insect resistance, application of biometrical analysis, and field plot technique. *Prerequisite:* Agron 302

MR. GARRISON

HORT 456—TRUCK CROPS—3 cr. (2 and 3)

A detailed study of the principles and practices employed in the growing and marketing of truck crops. Emphasis is placed on plant characteristics, varieties, soils, fertilizers, harvesting, and preparation for market. *Prerequisite:* Hort 201

MR. GARRISON

HORT 460—ADVANCED LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of civic improvement, mill villages, public buildings, squares, parks, storm water control, water courses, lakes, lawns, drives, and walks; trees and shrubs and their requirements; study of finished problems in landscape design, original problems, field work and costs. *Prerequisite:* Hort 306, 308 and 401, 403

MR. THODE

HORT 464—FOOD PRESERVATION—3 cr. (2 and 3)

Theoretical background and fundamental processes of food preservation. The course includes modern canning technique for community and commercial canneries; frozen food preservation; study of important crops grown in South Carolina suitable for canning; factors which influence the commercial operation of a cannery; causes of food spoiling; factors which influence quality packs; U. S. Standard grades for canned goods; and a study of jams, jellies and preserves, dehydration and pickle manufacturing. *Prerequisite:* Bact 301 and 303

MR. VAN BLARICOM

INDUSTRIAL ARTS

MR. MARSHALL

IN AR 301—INDUSTRIAL ARTS—1 cr. (0 and 3)

(a) An elective course in the art of wood turning based upon spindle and face plate turning in which correct design is emphasized.

(b) Practice in the proper handling of woodworking tools, their use and care.

MR. MARSHALL

IN AR 302—INDUSTRIAL ARTS—1 cr. (0 and 3)

An elective course in advanced machine woodworking. Making of well-designed furniture and cabinets. Wood finishing materials and their application. *Prerequisite:* In Ar 301 or In En 202

MR. MARSHALL

IN AR 303—INDUSTRIAL ARTS—2 cr. (1 and 3)

A course to include project construction, finishing, care of shop tools and equipment, characteristics of woods, fasteners, finishing materials, glues, and the shop budget.

MR. MARSHALL

IN AR 304—SPECIAL METHODS IN INDUSTRIAL ARTS—2 cr. (1 and 3)

A study in fundamental skills, knowledges, and appreciation of wood-work. Special technique and method of approach in teaching shop subjects in high schools are also covered.

MR. MARSHALL

INDUSTRIAL ENGINEERING

MR. FREEMAN - MR. MARSHALL

MR. BROCK

MR. COUCH

MR. MEEKS

MR. STENSTROM

IN EN 101—METAL PROCESSES—2 cr. (0 and 6)

A study of forge equipment; materials used in forgings, selections of materials, method of working and treating, heat treating, and case hardening. A study of materials used in foundry; the cupola, moulding sand, cores, patterns, the crucible furnace, the cleaning and inspection of castings. A study of welding equipment; safety practices, jigs, inspection and testing of welds. Lectures and demonstrations accompany this work.

MR. COUCH MR. MEEKS

IN EN 201—METAL PROCESSES—2 cr. (0 and 6)

A study of metal cutting processes, including the possibilities and limitations in machine tool operation, job order, lot intermittent and mass production principles. The work is covered by lecture and shop practice with the fundamental machine and hand tools. *Prerequisite:* D D 106, Math 103, In En 101

MR. FREEMAN MR. STENSTROM

IN EN 202—WOOD PROCESSES—2 cr. (0 and 6)

A study of the most suitable materials, hand and machine tools used in the construction of wood patterns. The fundamental processes involved in the fashioning of typical patterns, keeping in mind the relations of the allied department, particularly those of the foundry.

MR. BROCK MR. MARSHALL

IN EN 205—CONSTRUCTION MATERIALS—2 cr. (2 and 0)

A study of the sources of materials used in industry; a study of wood, concrete, ferrous alloys, non-ferrous materials, brick, tile, and other building materials. This course is designed to help the engineer to select the proper material for any given job.

MR. COUCH

IN EN 302—WELDING—2 cr. (1 and 3)

A study of the identification and weldability of metals; the equipment used; safe practices; welding materials and supplies; pre-treatment and after-treatment of welds; jigs and fixtures; inspection and testing; the cost of welding. *Prerequisite:* In En 101

MR. COUCH

IN EN 402—METALLURGY—3 cr. (2 and 3)

A general course in the fundamentals of engineering physical metallurgy. The course is designed to give students in other fields of engineering a general working knowledge of problems involving ferrous and nonferrous physical metallurgy. *Prerequisite:* Chem 101 and 102

MR. FREEMAN

MATHEMATICS

MR. SHELDON

MR. BELL
 °MR. BREWSTER
 MR. BRYAN
 MR. COKER
 MR. EDWARDS
 MR. KIRKWOOD
 MR. LAGRONE
 °MR. MILLER

MR. ARMSTRONG
 MR. BROWN
 °MR. KELLY
 MR. PARK
 MR. STANLEY
 MR. STUART
 MR. HARDEN
 °MR. HIND

MR. JOHNSON
 MR. NOWACK
 MR. POTTER
 MR. SULLIVAN
 °MR. VAUSE
 MR. WADE
 MR. WILSON

MATH 100—REMEDIAL MATHEMATICS—Non-credit (5 and 0)

Required of all entering freshmen who fail to make a satisfactory grade on the placement examination in mathematics.

An intensified review of the basic principles of high school mathematics which are prerequisite for the study of college mathematics.

STAFF

°On leave

MATH 101—COLLEGE ALGEBRA—3 cr. (3 and 0)

A study of elementary college algebra including the fundamental operations, factoring and fractions, equations, ratio and proportion, functions and their graphs, exponents, radicals, quadratic equations. *Prerequisite:* A satisfactory grade on the placement examination

STAFF

MATH 102—TRIGONOMETRY (PLANE)—3 cr. (3 and 0)

A study of the trigonometric functions, the solution of right and oblique triangles, trigonometric identities, trigonometric equations, graphs of the trigonometric functions, inverse trigonometric functions. *Prerequisite:* A satisfactory grade on the placement examination.

STAFF

MATH 103—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

Six weeks of college algebra followed by twelve weeks of plane trigonometry. *Prerequisite:* A satisfactory grade on the placement examination.

STAFF

MATH 104—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

A course in analytic geometry including the straight line, the conics, transformation of coordinates, equations and their loci, followed by an introduction to solid analytic geometry. *Prerequisite:* Math 103

STAFF

MATH 201—DIFFERENTIAL CALCULUS—3 cr. (3 and 0)

A short course in the differentiation of algebraic and transcendental functions, maxima and minima, curve tracing. *Prerequisite:* Math 104

MR. EDWARDS

MATH 202—INTEGRAL CALCULUS—3 cr. (3 and 0)

A short course in the integration of simple functions, the definite integral, areas, volumes, lengths of lines. *Prerequisite:* Math 201

MR. BELL

MATH 203—DIFFERENTIAL CALCULUS—5 cr. (5 and 0)

A study of differentiation and its application to maxima and minima problems, curve tracing, curvature, rates, differentials. *Prerequisite:* Math 104

STAFF

MATH 204—INTEGRAL CALCULUS—5 cr. (5 and 0)

A study of integration and its application to areas, volumes, lengths of curves, multiple integration, engineering problems. *Prerequisite:* Math 203

STAFF

MATH 301—ADVANCED ALGEBRA—3 cr. (3 and 0)

An advanced treatment of ratio and proportion, variation, progressions, surds, imaginary quantities, equations, permutations, binomial and multinomial expansions, inequalities. *Prerequisite:* Math 104

MR. STANLEY

MATH 302—THEORY OF EQUATIONS—3 cr. (3 and 0)

A study of complex numbers, theorems on roots of polynomial equations, constructibility, approximations, determinants, matrices and symmetric functions. *Prerequisite:* Math 104

MR. ARMSTRONG

MATH 303—STATISTICS—3 cr. (3 and 0)

A study of graphs, frequency distributions, averages, measures of dispersion, moments, the normal curve, curve fitting, correlation, and index numbers. *Prerequisite:* Math 104

MR. JOHNSON

MATH 304—STATISTICS—3 cr. (3 and 0)

A continuation of Math 303. The mathematical basis of statistics will be emphasized in this course. The topics covered will include the theory of probability, the binomial distribution, the Chi-square distribution, theory of sampling, reliability of statistical differences, sequential analysis. *Prerequisite:* Math 204

MR. JOHNSON

MATH 305—INTERMEDIATE CALCULUS—3 cr. (3 and 0)

A short review of the theory of differentiation and integration followed by a study of parametric equations, polar equations, curvature, theorem of mean value, reduction formulas, series, expansion of functions, averages, hyperbolic functions, some solid analytic geometry, partial differentiation, multiple integrals. *Prerequisite:* Math 204

MR. KIRKWOOD

MATH 306—ORDINARY DIFFERENTIAL EQUATIONS—3 cr. (3 and 0)

Differential equations of the first order and first degree, equations of the first order but not of the first degree, linear differential equations, applications to physics and engineering. *Prerequisite:* Math 204

MR. STUART MR. STANLEY

MATH 401—COLLEGE GEOMETRY—3 cr. (3 and 0)

Theorems and concepts more advanced than those of high-school geometry. Detailed treatment of the various properties of the triangle, including the notable points, lines, and circles associated with it. *Prerequisite:* Math 104

MR. KELLY

MATH 451—VECTOR ANALYSIS—3 cr. (3 and 0)

A study of the algebra and calculus of vectors in two and three dimensions with applications to physics, geometry and engineering problems. *Prerequisite:* Math 305

MR. ARMSTRONG

MATH 453—ADVANCED CALCULUS—3 cr. (3 and 0)

A more extensive study of the differential and integral calculus than is given in the intermediate course with emphasis on applications and an introduction to theoretical questions. Topics include: power series, partial differentiation, implicit functions, the definite integral. *Prerequisite:* Math 305

MR. COKER

MATH 454—ADVANCED CALCULUS—3 cr. (3 and 0)

A continuation of Math 453. Topics include: Gamma and Beta functions; line, surface, and space integrals; Bessel functions; partial differential equations; calculus of variations; introduction to functions of a complex variable. *Prerequisite:* Math 453

MR. COKER

MATH 455—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A study of advanced mathematical topics pertinent to the field of engineering. Physical applications are stressed by the presentation of problems relating to the several branches of engineering. Topics include ordinary and partial differential equations, hyperbolic functions, infinite series, Fourier series, and Gamma and Bessel functions. *Prerequisite:* Math 306

MR. PARK

MATH 456—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A continuation of Math 455. Further topics include functions of a complex variable, vector analysis, probability, and operational calculus. *Prerequisite:* Math 306

MR. PARK

MECHANICAL ENGINEERING

MR. FERNOW

MR. SAMS

MR. SUTTON

MR. HUDSON

MR. LEWIS

*MR. CARMICHAEL

MR. KERR

MR. WATSON

*MR. EDWARDS

MR. PERRY

MR. COOK

MR. HARRELSON

M E 211—MECHANICAL ENGINEERING—2 cr. (2 and 0)

A study of the fundamentals of steam power, boilers, fuels, combustion and auxiliary equipment, gas power, internal combustion engines, auxiliary apparatus and related equipment.

MR. KERR

M E 213—ENGINEERING PROBLEMS—1 cr. (0 and 3)

To develop neatness, self-confidence, and an analytical approach to the solution of engineering problems. A review of logarithms; fundamentals

*On leave

of the slide rule and its application to practical engineering problems; an introduction to steam tables with practical problems in steam. *Prerequisite:* Math 103, 104 and enrollment in M E 211

MR. KERR

M E 302—MECHANICAL ENGINEERING—3 cr. (3 and 0)

Elements of steam and gas power plants including fuels and combustion, gas and vapor processes and cycles, properties of air and steam, steam and gas engines, turbines, auxiliaries, and refrigeration. *Prerequisite:* Phys 211, 212; Math 204 or enrollment in Math 204

MECHANICAL ENGINEERING STAFF

M E 304—MECHANICAL ENGINEERING LABORATORY—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices. Testing of pumps, engines, fans, and compressors. *Prerequisite:* Enrollment in M E 302

MECHANICAL ENGINEERING STAFF

M E 305—HEAT POWER—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. *Prerequisite:* Math 203 and 204; Physics 211 and 212.

MR. COOK

M E 306—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 305. Thermodynamics of vapors with application to steam boilers, engines, turbines, power plant cycles, refrigeration and heat transfer problems. *Prerequisite:* M E 305

MR. CARMICHAEL

M E 309—MECHANICAL LABORATORY—1 cr. (0 and 3)

The study and calibration of weight, pressure, area, and fluid flow measuring devices; flue gas analysis, power plant piping, lifting devices, centrifugal pump, and heat transfer. *Prerequisite:* M E 305 and enrollment in M E 306

MR. COOK MR. HUDSON

M E 310—MECHANICAL LABORATORY—1 cr. (0 and 3)

A study of the performance tests of steam turbines, blowers, Diesel engines, uniflow engines, air compressors and hydraulic turbines. *Prerequisite:* M E 306, 309

MR. HARRELSON

M E 311—HEAT POWER—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. This course is similar to M E 305 but with more time devoted to problems since prerequisites, M E 211 and 213, make possible longer assignments. *Prerequisite:* Math 203 and 204; Physics 211 and 212; M E 211 and 213

MR. COOK MR. HUDSON

M E 312—HEAT POWER—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. This course is similar to M E 305 but with more time devoted to problems since prerequisites, M E 211 and 213, make possible longer assignments. *Prerequisite:* M E 311

MR. SUTTON

M E 313—HEAT POWER LABORATORY—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices, flue gas, and liquid fuel analysis, triplex pump, power-house piping and auxiliaries, friction test on steam engine and internal combustion engine. *Prerequisite:* Enrollment in M E 311

M E 314—HEAT POWER LABORATORY—1 cr. (0 and 3)

Practical work in connection with coal analysis, tests of lifting devices, ram, injector, centrifugal pump, calorimeters, and study of water plant. *Prerequisite:* M E 313

MR. PERRY

M E 411—HEAT POWER—3 cr. (3 and 0)

Organization of steam, Diesel and hydro power plants with reference to the design and performance characteristics of the individual pieces of apparatus involved, variable load, costs, and economics. Buildings and foundations are briefly covered. *Prerequisite:* M E 312

MR. FERNOW

M E 412—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 411, stressing the design, arrangement and economic justification of the boilers, prime movers, condensers, fuel handling equipment, stokers, pulverized fuel equipment, combustion, refuse handling equipment, fans, chimneys, water treatment, water heaters and deaerators, pumps, feed water regulation and the piping system design and layout. *Prerequisite:* M E 411

MR. FERNOW

M E 413—HEAT POWER LABORATORY—2 cr. (0 and 6)

A practical application of the theory covered in M E 411. Performance tests of steam turbines, blowers, pumps, boilers, refrigeration plants, and hydraulic turbines are studied. *Prerequisite:* M E 314 and enrollment in M E 411

MR. WATSON AND STAFF

M E 414—HEAT POWER LABORATORY—2 cr. (0 and 6)

Testing of all types of internal combustion engines, auxiliaries, and fuels. *Prerequisite:* M E 413

MR. LEWIS AND STAFF

M E 417—DESIGN—2 cr. (1 and 3)

The solution of a variety of engineering problems under guidance to familiarize the student with the kind of work he may be called on to do after his first induction into industry. Completeness and orderly and logical work are stressed. *Prerequisite:* Enrollment in M E 411

MR. COOK

M E 418—DESIGN—2 cr. (1 and 3)

A continuation of M E 417. *Prerequisite:* Enrollment in M E 412

MR. HUDSON

M E 420—ADMINISTRATION—3 cr. (3 and 0)

Instruction in the principles of organizing, financing, and incorporating business enterprises; organization of the manufacturing establishment; buying and selling; contracts, accounting; management problems. *Prerequisite:* Senior standing

MR. SAMS

M E 421—GAS ENGINES—3 cr. (3 and 0)

Theoretical and actual cycles, performance characteristics, fuels, combustion, cooling, dynamics, ignition and injection of the two and four stroke cycle spark ignition and compression ignition engine. *Prerequisite:* M E 311 and 312

MR. LEWIS

M E 423—GAS ENGINE DESIGN—1 cr. (0 and 3)

Limits and requirements in the design of both air cooled and liquid cooled spark ignition and compression ignition engines, the principle of similitude, detail design and sketching of the engine parts and an assembly drawing of an engine. *Prerequisite:* D D 306, M E 311, 312, and enrollment in M E 421

MR. LEWIS

M E 426—STEAM TURBINES—3 cr. (3 and 0)

Structural features, performance, and design of all types of steam turbines. *Prerequisite:* M E 312

MR. SAMS

M E 428—TURBINE DESIGN—1 cr. (0 and 3)

Complete design of nozzle and blade elements of impulse and reaction steam turbines. *Prerequisite:* Enrollment in M E 426

MR. SAMS

M E 429—HEATING AND VENTILATION—2 cr. (2 and 0)

A study of the principles of heating and ventilation with emphasis on the following topics: factors affecting human comfort, the theory of heat transfer and the calculation of heat transmission coefficients, heat

losses from buildings, heating load, fuels and combustion, heat disseminators, heating boilers and their accessories and auxiliaries, steam heating, and hot water heating systems. *Prerequisite:* M E 305 or M E 311

MR. HUDSON

M E 430—AIR CONDITIONING—2 cr. (2 and 0)

A study of the principles of air conditioning embodied in air distribution and air cleaning, humidification and dehumidification, warm air heating systems, cooling systems, automatic control apparatus, unit heaters, and unit air conditioners. *Prerequisite:* M E 312 or M E 306 and M E 429

MR. WATSON

M E 431—HEATING AND VENTILATION DESIGN—1 cr. (0 and 3)

To offer practical application of the theory covered in M E 429 in the design of heating and ventilation systems for specific conditions. *Prerequisite:* Enrollment in M E 429

MR. HUDSON

M E 432—AIR CONDITIONING DESIGN—1 cr. (0 and 3)

To provide practical application of the theory covered in M E 430 in the design of air conditioning systems. *Prerequisite:* Enrollment in M E 430

MR. WATSON

M E 433—ELEMENTARY AERODYNAMICS—2 cr. (2 and 0)

Physical properties of air, effects of deflecting air streams, air flow, airfoils, drag, power plants, propellers, control surfaces and stability; performance at sea level and at altitude. Calculations are made for an airplane to determine its performance at sea level and at altitude, including take off and landing distance, endurance, range and load during turns. *Prerequisite:* Mech 304

MR. SUTTON

M E 434—REFRIGERATION—2 cr. (2 and 0)

Underlying thermodynamics of refrigeration and design and operating characteristics of compression and absorption systems. Ice making and cold storage. *Prerequisite:* M E 312

MR. FERNOW

M E 461—ANALYSIS OF THERMODYNAMIC PROBLEMS—3 cr. (3 and 0)

Engineering problems involving the use of differential and integral calculus including ordinary differential equations, partial differentiation, multiple integrals, partial differential equations, line integrals, and series. *Prerequisite:* M E 311, 312

M E 464—HEAT TRANSMISSION—3 cr. (3 and 0)

A comprehensive study of the principles of Heat Transmission with applications to engineering problems. Special emphasis is given to the following topics: heat conduction in the steady and unsteady states; dimensional analysis of convection; free and forced convection; the combined effects of conduction and convection; heat transfer in condensing and boiling; radiation; and the combined effects of conduction, convection, and radiation. *Prerequisite:* M E 311, 312 and registration in Math 306

MR. WATSON

M E 501—ADVANCED AIR CONDITIONING—3 cr. (3 and 0)

An analysis of the principles of air conditioning. The following topics are among those covered; enthalpy of air-vapor mixtures; adiabatic mixtures of air with water, steam, or ice; fogged air; adiabatic saturation; air in contact with water; fundamental simultaneous and fundamental successive conditioning processes; humid air below 32° F.; geometry of the psychrometric chart. A critical analysis of current literature on special topics. *Prerequisite:* M E 429, 430, 431 and 432

MR. WATSON

M E 510—ADVANCED THERMODYNAMICS—3 cr. (3 and 0)

This course supplements and extends the material covered in elementary thermodynamics. Special topics relative to advanced problems in engineering are pursued. *Prerequisite:* M E 311, 312, 411, 412 and registration in Math 306

M E 521—INTERNAL COMBUSTION ENGINES—3 cr. (3 and 0)

Internal combustion process analysis, deviation from the ideal processes, detonation, and knock testing, carburation and fuel injection, combustion chamber and cylinder head design, engine cooling, mechanics of principle moving parts, engine vibration and balance and engine design.

MR. LEWIS

M E 522—INTERNAL COMBUSTION ENGINES—3 cr. (3 and 0)

A continuation of M E 521.

MR. LEWIS

M E 523—INTERNAL COMBUSTION ENGINE LABORATORY—1 cr. (0 and 3)

Analysis of engine instrumentation, air-fuel ratio tests, detonation limited power test, injection and analysis with test apparatus, fuels testing and general test codes.

MR. LEWIS

M E 524—GAS TURBINES—3 cr. (3 and 0)

Gas turbine process analysis, deviation from the ideal processes, fuels stratification, efficiencies, pressure ratio including the development of charts for cycle analysis.

MR. LEWIS

M E 526—ADVANCED STEAM TURBINES—2 cr. (2 and 0)

MR. SAMS

M E 528—ADVANCED STEAM TURBINES DESIGN—1 cr. (0 and 3)

MR. SAMS

M E 531—SOLUTION OF ADVANCED ENGINEERING PROBLEMS—3 cr. (3 and 0)

A thorough analysis of several engineering problems from a mathematical and thermodynamic standpoint. *Prerequisites:* Math 306, M E 312, 411, and 412.

M E 532—APPLIED HEAT TRANSFER—3 cr. (3 and 0)

The application of heat transfer to several engineering problems pertaining to the design of heat transfer equipment such as boilers, condensers, evaporators, and air preheaters. *Prerequisites:* M E 312, 411, 412 and registration in Math 306.

M E 591—RESEARCH—3 cr.

Research and development of a project for a master's thesis.

M E 592—RESEARCH—3 cr.

A continuation of M E 591.

MECHANICS AND HYDRAULICS

MR. CURTIS

MR. HARLEY

MR. MOORMAN

MR. HROMI

MR. HUMPHREYS

MR. ROBINSON

MR. McDONALD

MR. BYARS

MECH 302—MECHANICS (STATICS)—3 cr. (3 and 0)

An elementary technical study of force systems and their action on rigid bodies at rest, devoted to development of facility in free body analysis. Topics also considered are center of gravity, moment of inertia of areas, and friction. *Prerequisite:* Math 204, Phys 211

MECHANICS AND HYDRAULICS STAFF

MECH 303—MECHANICS (KINETICS)—3 cr. (3 and 0)

A continuation of Mech 302. Analytical kinematics and the effects of forces in producing motion of rigid bodies are major considerations. Among the principal topics, whose engineering applications are developed, are: Second Law of Motion for translation and rotation; work, energy, and power; impulse and momentum. *Prerequisite:* Mech 302

MECHANICS AND HYDRAULICS STAFF

MECH 304—MECHANICS OF MATERIALS—3 cr. (3 and 0)

To acquaint students with certain physical constants and stresses in structural members and machine parts, and to illustrate rational derivation of formulas for internal stresses. Among topics covered are: Deformation and stress; torsion; riveted joints; flexure and deformation of beams; combined stresses in short blocks; columns. *Prerequisite:* Mech 302

MECHANICS AND HYDRAULICS STAFF

MECH 305—MECHANICS OF MATERIALS LABORATORY—1 cr. (0 and 3)

A laboratory course planned for students in certain branches designed to illustrate points and principles considered in Mech 304. *Prerequisite:* Must be accompanied, or preceded by Mech 304

MECHANICS AND HYDRAULICS STAFF

MECH 306—GRAPHIC STATICS—1 cr. (0 and 3)

Graphical analysis of force systems and of stresses in statically determinate frames. Given for students in certain branches. *Prerequisite:* Must be accompanied, or preceded by Mech 302

MECHANICS AND HYDRAULICS STAFF

MECH 401—FLUID MECHANICS—3 cr. (3 and 0)

A study of the forces on fluids at rest and in motion together with consideration of various flow measurement devices and of power developing and using units. Among the items considered are: Hydrostatic pressure and devices for measuring it; hydraulic similitude; measurements of flow by orifices, weirs, and various meters; flow in pipes; open channels; turbines and pumps. *Prerequisite:* Mech 303 (for Civil Engineering Majors, Mech 302)

MR. CURTIS	MR. HUMPHREYS	MR. ROBINSON
MR. HARLEY	MR. MOORMAN	

MECH 403—FLUID MECHANICS LABORATORY—1 cr. (0 and 3)

A laboratory course for students in certain branches to illustrate the principles of Mech 401. Also special exercises are given in stream gaging, drainage area study, runoff, and rainfall. *Prerequisite:* Must be accompanied, or preceded by Mech 401

MECHANICS AND HYDRAULICS STAFF

MECH 460—HYDROLOGY—3 cr. (3 and 0)

A study of the principles concerning the occurrence of water in nature and the practice of engineering in dealing with it in connection with design of water supplies and structures. *Prerequisite:* Mech 401 and 403; approval by instructor.

MR. CURTIS MR. MOORMAN

MECH 462—WATER POWER ENGINEERING—3 cr. (3 and 0)

Principles and practices involved in the investigation and planning of hydraulic power developments and the selection of hydraulic machinery. *Prerequisite:* Mech 460, or special approval by instructor.

MR. CURTIS

MECH 464—FLOW IN OPEN CHANNELS—2 or 3 cr. (2 or 3 and 0)

Consideration of steady flow, including study of the hydraulic jump, backwater curves, bends, transitions and obstructions, and analysis of special methods of flood routing. *Prerequisite:* Mech 401 and approval of instructor

MR. MOORMAN

MECH 502—SPECIAL TOPICS IN MECHANICS OF MATERIAL—3 cr. (3 and 0)

A study of the general state of stress, strain-energy methods, theories of failure, indeterminate problems in bending, curved bars, dynamic stresses, plates and problems of elastic stability. *Prerequisite:* Mech 304 and graduate standing.

MR. McDONALD

MECH 504—DYNAMICS—3 cr. (3 and 0)

A development of more advanced methods of analysis of problems in dynamics with emphasis on practical solutions. Topics are systems with variable mass and variable forces, shaking forces, balancing, vibration, gyroscopes and models. *Prerequisite:* Mech 303 and graduate standing.

MR. McDONALD

MECH 506—FLUID MECHANICS II—3 cr. (3 and 0)

A comprehensive study of the principles of fluid flow and the application of the principles to practical engineering problems. Among the topics considered are fluid velocity and acceleration, significance of the flow net, pressure distributions, viscosity, surface tension, compressibility, boundary layer, and circulation and magnus effect. *Prerequisite:* Mech 401 and graduate standing.

MR. HUMPHREYS

MECH 508—FLOOD CONTROL—3 cr. (3 and 0)

A study of the hydrology of floods and the engineering considerations relating to their control. Topics considered in the scope of control measures are economic justification, types of control structures and a survey of flood control measures on major streams in the United States. *Prerequisite:* Mech 460 and graduate standing.

MR. CURTIS MR. MOORMAN

MECH 510—ADVANCED HYDROLOGY—2 cr. (2 and 0)

Special work to strengthen the student's background in modern methods. The technical literature is used extensively for latest developments. Emphasis is laid on work on evaporation, infiltration and the synthetic hydrograph. *Prerequisite*: Mech 460 and graduate standing.

MR. CURTIS

MECH 512—HYDRAULIC PROJECTS—3 cr. (3 and 0)

This course is devoted to the detailed investigation of engineering problems in hydraulics and related fields. Application of theoretical principles developed in previous courses is emphasized. Subjects included are spillway and stilling basin, reservoirs, and inverted siphons. *Prerequisite*: Mech 460 and 464; must be accompanied or preceded by Mech 506.

MR. HUMPHREYS MR. MOORMAN

MILITARY SCIENCE

COL. COOKSON

LT. COL. SMITH	CAPT. KIRBY	M/Sgt. ZORENS
LT. COL. WATSON	CAPT. NAUCK	SGT. 1 CL. BASSETT
LT. COL. WHITLAW	CAPT. SMITH	SGT. 1 CL. COX
MAJ. FOSTER	M/Sgt. BARNES	SGT. 1 CL. ELLIOTT
CAPT. ANDERSON	M/Sgt. GELINA	SGT. 1 CL. HUTSON
CAPT. BYNUM	M/Sgt. GRUNEWALD	SGT. KEELING
CAPT. COAKLEY	M/Sgt. McDONALD	SGT. MARLOW
CAPT. CRONIN	M/Sgt. RIMMER	SGT. SCOVIL
CAPT. GRAMLING	M/Sgt. TOSH	

M S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in customs, discipline, and leadership to prepare and develop cadets for duties as junior noncommissioned officers. Principal topics are principles of discipline; customs of the Army; wearing of the uniform; conduct of noncommissioned officers; purpose of drill; drill of the soldier with and without arms; squad and platoon drill; parades, reviews, inspections, and other ceremonies.

STAFF

M S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 101.

STAFF

M S 103—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

This course is an introduction to military science. Generally basic in nature, the course deals with topics relating to the Army and Air Force as a whole, without attempting specialization into various branches of the services. Principal topics are military policy of the U. S., The National Defense Act and the ROTC, evolution of warfare, geographic foundations of national power and hygiene and first aid.

STAFF

M S 104—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

A continuation of M S 103. Principal topics are maps and aerial photographs, and military psychology and personnel management.

STAFF

M S 201—MILITARY DRILL—0 cr. (0 and 3)

Practical training for duty as officers in the armed services by supervised training in actual command during military drills, parades, reviews, inspections and ceremonies.

STAFF

M S 202—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 201.

STAFF

M S 203—MILITARY SCIENCE AND TACTICS (INFANTRY)—1 cr. (2 and 0)

Theoretical and practical instruction on a basic level in subjects pertinent to the infantry and designed to develop the initiative responsibility and technical knowledge required for qualification as a junior officer of the infantry arm. Principal topics are: military organization, weapons, and combat formations. *Prerequisite:* M S 103 and 104

CAPTAIN ANDERSON

M S 204—MILITARY SCIENCE AND TACTICS (INFANTRY)—1 cr. (2 and 0)

A continuation of M S 203. Principal topics are: technique of fire of the rifle squad, scouting and patrolling, tactics of the rifle squad and marksmanship. *Prerequisite:* M S 203

CAPTAIN ANDERSON

M S 205—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—
1 cr. (2 and 0)

An introduction to Quartermaster Corps activities with theory instruction and practical application thereof. Principal topics are organization for supply in the Army, quartermaster units, classification of supplies, property accountability, and research and development trends. *Prerequisite:* M S 104

MASTER SERGEANT GRUNEWALD

M S 206—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—
1 cr. (2 and 0)

A continuation of M S 205. Principal topics include functions and operations of quartermaster units and unit and organizational supply. *Prerequisite:* M S 205

MASTER SERGEANT GRUNEWALD

M S 207—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—1 cr. (2
and 0)

An introduction to signal communications, evolution of communications, and communications equipment, history of the Signal Corps, practices and equipment employed by lower echelons of Army units, practical exercises to include installation and operation of basic signal communications equipment.

CAPTAIN NAUCK

M S 208—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—1 cr. (2
and 0)

A continuation of M S 207. A study of the fundamentals of army organization, missions and functions of the Signal Corps, organization, missions and signal communication practices of the Infantry, armored and airborne divisions. *Prerequisite:* M S 207

CAPTAIN NAUCK

M S 215—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—1 cr.
(2 and 0)

Training in basic subjects in preparation for advanced level Armored Cavalry. Principal subjects are: armored cavalry weapons, and materials. *Prerequisite:* M S 104

LIEUTENANT COLONEL WHITLAW

**M S 216—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—1 cr.
(2 and 0)**

A continuation of M S 215. Principal subjects are: basic communications, basic motors, history and missions of armored cavalry, scouting and patrolling, and mechanical training with tank weapons. *Prerequisite:* M S 215

LIEUTENANT COLONEL WHITLAW

**M S 217—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—
1 cr. (2 and 0)**

Theoretical and practical training in subjects pertaining to the tactics and techniques employed by the Corps of Engineers, including history and traditions of the corps of engineers, hand tools and rigging, explosives and demolitions, mines and booby traps, and camouflage. *Prerequisite:* M S 104

MASTER SERGEANT BARNES

**M S 218—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—
1 cr. (2 and 0)**

A continuation of M S 217, including characteristics of weapons, organization and tactics of small units (squad and platoon level), organization of the ground and field fortifications, and defense against chemical attack. *Prerequisite:* M S 217

MASTER SERGEANT BARNES

**M S 219—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—1 cr. (2 and 0)**

Theoretical and practical instruction in relation of the ordnance department to the army as a whole, together with instruction in tactics and technique of the ordnance department. Ordnance material topics include basic small arms, ammunition, and artillery. *Prerequisite:* M S 104

CAPTAIN BYNUM

**M S 220—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—1 cr. (2 and 0)**

A continuation of M S 219. Ordnance materiel topics include fire control instruments and automotive. *Prerequisite:* M S 219

CAPTAIN BYNUM

M S 301—MILITARY DRILL—0 cr. (0 and 3)

Training for duty as officers by application of principles of leadership in actual command during drills, parades, reviews, inspections, and ceremonies.

STAFF

M S 302—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 301.

STAFF

M S 303—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Advanced theoretical and practical training in subjects applicable to the army as a whole, together with tactics and techniques employed by the infantry. Principal subjects are: weapons of the infantry regiment and rifle marksmanship, organization, gunnery and communications. *Prerequisite:* M S 203 and 204

STAFF

M S 304—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of M S 303. Principal subjects are: combat intelligence, estimate of the situation and combat orders, field fortifications and tactics of the rifle company and heavy weapons platoons. *Prerequisite:* M S 303

STAFF

M S 305—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

Theoretical and practical training in subjects applicable to the army as a whole together with tactics and techniques utilized by the quartermaster corps. Principal topics include station supply, depot supply procedures and storage, warehousing and materials handling equipment. *Prerequisite:* M S 206

CAPTAIN KIRBY

M S 306—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

A continuation of M S 305, with specific emphasis on the following topics: procurement of petroleum products, operation of commissaries, quartermaster maintenance and reclamation activities and individual weapons and marksmanship. *Prerequisite:* M S 305

CAPTAIN KIRBY

M S 307—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on tactics and techniques utilized by the signal corps on a division level. Principal topics are communication security, signal center procedure and military radio communication fundamentals. *Prerequisite:* M S 208

CAPTAIN NAUCK

M S 308—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of M S 307. Principal topics are wire communication fundamentals, signal supply and continued training in tactics and techniques as applies to signal corps units. *Prerequisite:* M S 307

CAPTAIN NAUCK

M S 315—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole together with tactics and techniques employed by armored cavalry. Principal topics are: organization, gunnery, motors, and tank driving. *Prerequisite:* M S 216

CAPTAIN GRAMLING

M S 316—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

A continuation of M S 315. Principal topics are: troop leading, communications, tactics, and tank driving. *Prerequisite:* M S 315

CAPTAIN GRAMLING

M S 317—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)
—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects pertaining to the tactics and techniques employed by the corps of engineers, including organization of combat divisions, organization of engineer units, vehicle operation and maintenance, military roads and runways, tactics of engineer units (platoon and company levels), and engineer combat intelligence. *Prerequisite:* M S 218

MAJOR FOSTER

M S 318—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)
—3 cr. (4 and 0)

A continuation of M S 317 including engineer supply, bridge design and classification, individual weapons and marksmanship, water supply, and engineer signal communications. *Prerequisite:* M S 317

MAJOR FOSTER

M S 319—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

Theoretical and practical instruction on organization of the ordnance department, together with tactics and techniques of the ordnance department. Ordnance materiel topics include advanced instruction in automotive, small arms, and artillery. *Prerequisite:* M S 220

CAPTAIN BYNUM

M S 320—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

A continuation of M S 319. Ordnance materiel topics include ammunition materiel and supply, fire control, and individual weapons and marksmanship.

CAPTAIN BYNUM

M S 401—MILITARY DRILL—0 cr. (0 and 3)

Continued training of officers by application of instruction, methods, and principles of leadership in positions of command during drills, parades, reviews, inspections, and ceremonies.

STAFF

M S 402—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 401.

STAFF

M S 403—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in command, leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the infantry arm. Principal topics are military teaching methods, command and staff, organization, communications, and supply and evacuation. *Prerequisite:* M S 304

LIEUTENANT COLONEL WATSON

M S 404—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of M S 403. Principal topics are troop movement, the military team, the infantry battalion in attack and defense, and new developments of clothing, equipment and tactics. *Prerequisite:* M S 403

LIEUTENANT COLONEL WATSON

M S 405—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

Theoretical and practical training in quartermaster activity on both station and unit level. Principal topics include fiscal and procurement procedures, combat and technical intelligence, and command and staff organization. *Prerequisite:* M S 306

CAPTAIN CRONIN

M S 406—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

A continuation of M S 405 with the principal topics covered being functions of the combatant arms and technical services, quartermaster operations in the zone of the interior and the theater of operations. *Prerequisite:* M S 405

CAPTAIN CRONIN

M S 407—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole, and the development of initiative and responsibility for qualification as junior officers of the signal corps. Principal topics are: command and staff, combat intelligence, military teaching methods, wire communication materiel. *Prerequisite:* M S 308

CAPTAIN NAUCK

M S 408—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of M S 407. Principal topics are radio communication materiel, higher echelon signal communication and equipment and continued training in tactics and techniques employed by the signal corps. *Prerequisite:* M S 407

CAPTAIN NAUCK

M S 415—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

Theoretical and practical instruction in command and leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the armored cavalry arm. Principal topics are: psychological warfare, military problems of the United States, military teaching methods, military mobilization and demobilization, new developments, troop leading, communications, gunnery and motors. *Prerequisite:* M S 316

LIEUTENANT COLONEL WHITLAW

M S 416—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

A continuation of M S 415. Principal topics are: combat intelligence, supply and evacuation, tactics, tank driving. *Prerequisite:* M S 415

LIEUTENANT COLONEL WHITLAW

M S 417—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

Theoretical and practical instruction in subjects pertaining to the army as a whole, including military administration, and military teaching methods, tactics and techniques employed by the corps of engineers including

engineer support for the air force, command and staff, motor movements, engineer support for the communications zone, and engineer support for the field army. *Prerequisite:* M S 318

MAJOR FOSTER

M S 418—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)
—3 cr. (4 and 0)

A continuation of M S 417 including: construction, utilities and job management, river crossing operations, military law and boards, and psychological warfare. *Prerequisite:* M S 417

MAJOR FOSTER

M S 419—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

Theoretical and practical instruction on an advanced level in subjects pertaining to the army as a whole, together with tactics and techniques of the ordnance department. Principal topics are military administration and personnel management, military teaching methods, psychological warfare, maintenance and supply procedures (ordnance), command and staff, and combat intelligence. *Prerequisite:* M S 320

CAPTAIN BYNUM

M S 420—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

A continuation of M S 419. Principal topic is ordnance materiel specialty instruction.

CAPTAIN BYNUM

MUSIC

Mr. McGarity

MUSIC 402—MUSIC APPRECIATION—3 cr. (3 and 0)

This course is a comprehensive study of the development of music and factors leading toward the understanding of better music. Records and piano renditions of representative literature of outstanding composers are offered. This course is required for all students in Education, Vocational Agricultural Education, and Industrial Education.

Mr. McGarity

PHYSICS

MR. HUFF

MR. LINDSEY

MR. JARRELL

MR. REAVES

MR. A. R. REED

MR. SHACKELFORD

MR. SUDDETH

MR. C. A. REED

MR. K. L. WOOD

MR. W. A. WOOD

*MR. CLARK

PHYS 201—GENERAL PHYSICS—3 cr. (3 and 0)

A study of mechanics and heat including the laws of motion, equilibrium, machines, mechanical and thermal properties of solids, liquids, and gases, thermometry and heat transfer. *Prerequisite:* Registration in Phys 203

STAFF

PHYS 202—GENERAL PHYSICS—3 cr. (3 and 0)

A continuation of the previous course covering wave motion, sound, geometrical optics, light waves and spectra, magnetism, static and current electricity, circuits, and electrical machines. *Prerequisites:* Phys 201; registration in Phys 204

STAFF

PHYS 203—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments testing the laws studied in Phys 201, giving experience in measuring the physical properties of matter and practice in the use of precision instruments and the treatment of observed data. *Prerequisite:* Registration in Phys 201

STAFF

PHYS 204—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments with sound waves, lenses, refraction and diffraction of light, magnetic fields, electrical circuits, measurements with electrical instruments. *Prerequisite:* Registration in Phys 202

STAFF

*On leave

PHYS 211—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

This course covers the same topics as Phys 201 but with more emphasis on the solution of problems and applications to engineering. *Prerequisites:* Math 103 and 104; registration in Phys 213

STAFF

PHYS 212—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

A continuation of Phys 211 covering the same topics as Phys 202 with emphasis on applications to engineering problems. *Prerequisites:* Math 103 and 104; registration in Phys 214

STAFF

PHYS 213—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

The same topics are covered as in Phys 203 but more precise apparatus is provided and more advanced experiments are performed. *Prerequisite:* Registration in Phys 211

STAFF

PHYS 214—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

A continuation of Phys 213 with emphasis on the accurate measurement of electrical quantities and the properties of light. *Prerequisite:* Registration in Phys 212

STAFF

PHYS 301—INTRODUCTION TO MODERN PHYSICS—3 cr. (3 and 0)

A continuation of the General Physics course to cover the important experiments of the current century, including the measurement of the properties of electrons, and other particles, and an introduction to the theories based on these experiments. *Prerequisites:* Phys 201 and 202 or 211 and 212. Math 203 and 204

MR. HUFF

PHYS 303—EXPERIMENTS IN MODERN PHYSICS—1 cr. (0 and 3)

Measurements of the charge and mass of the electron, studies of thermo- and photo-electric effects, measurements with radioactive materials and with X-rays. *Prerequisite:* Registration in Phys 301

MR. HUFF

PHYS 304—DESCRIPTIVE ASTRONOMY—3 cr. (3 and 0)

A survey of the properties of the planets and their satellites, their actual and apparent motions, the properties of stars and nebulae, and introduction of the determination of latitude and longitude. *Prerequisites:* Phys 201 and 202 or 211 and 212

MR. HUFF

PHYS 308—SOUND AND ACOUSTICS—3 cr. (3 and 0)

A study of the production, propagation, properties and measurement of sound waves with emphasis on the acoustics of buildings. *Prerequisites:* Phys 201 and 202 or 211 and 212; registration in Math 201 or 203

MR. C. A. REED

PHYS 312—HEAT AND KINETIC THEORY—4 cr. (4 and 0)

Instruction in thermometry, calorimetry, change of state, kinetic theory of gases and elements of thermodynamics with emphasis on chemical applications. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. LINDSEY

PHYS 314—EXPERIMENTAL HEAT—1 cr. (0 and 3)

Practical instruction in the measurement of high and low temperatures, thermal properties of solids, liquids, and gases; heats of combustion, heat conduction and radiation. *Prerequisite:* Registration in Phys 312

MR. LINDSEY

PHYS 321—MECHANICS AND PROPERTIES OF MATTER—4 cr. (4 and 0)

A study of the motions of particles and of rigid bodies, gyroscopes, elasticity, surface tension, the flow of fluids, gravitation. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. C. A. REED

PHYS 323—EXPERIMENTAL MECHANICS—1 cr. (0 and 3)

Practice in the precise measurements of length, mass, and time; experiments with pendulums, gyroscopes, and other mechanical apparatus. *Prerequisite:* Registration in Phys 321

MR. C. A. REED

PHYS 401—SENIOR THESIS AND SEMINAR—3 cr. (1 and 6)

This course is intended to give the student a general knowledge of current trends in physics as well as a more detailed review of the historical papers in the field. The Senior Thesis is a semi-original piece of work under the direction of the physics staff. The work in general is done in one of the following fields: X-ray, electron microscopy, ultra-violet spectroscopy, and electronics. *Prerequisite:* At least three physics courses beyond General Physics

STAFF

PHYS 432—LIGHT—4 cr. (4 and 0)

Introduction in the formation of images by lenses and mirrors and the design of optical instruments; theory of interference and diffraction of light waves, polarization; applications to spectroscopy and precision measurement. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. LINDSEY

PHYS 434—EXPERIMENTAL LIGHT—1 cr. (0 and 3)

Measurements of the properties of lens systems and the defects of the images produced, the effects of slits on light waves, measurements with a spectrograph, use of the interferometer, polarimetry. *Prerequisite:* Registration in Phys 332

MR. LINDSEY

PHYS 441—MAGNETISM AND ELECTRICITY—4 cr. (4 and 0)

A study of the magnetic and electrical properties of materials, electrical circuits, properties of electromagnetic fields, electromagnetic waves. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. JARRELL

PHYS 443—EXPERIMENTAL ELECTRICITY—1 cr. (0 and 3)

Measurements with precision electrical instruments including bridges and potentiometers; low and high frequency circuits; standing waves on wires. *Prerequisite:* Registration in Phys 341

MR. JARRELL

PHYS 452—ATOMIC AND NUCLEAR PHYSICS—3 cr. (3 and 0)

Elementary development in quantum theory; applications to electron arrangements in atoms, molecular beams, atomic and molecular spectra; considerations of nuclear structure, fission and atomic energies. *Prerequisites:* Phys 301, completion of two of the courses Phys 312, 321, 332, 341

MR. JARRELL

PHYS 501—RESEARCH—3 cr. (0 and 6)

Instruction in methods of research including investigation in the laboratory, a search through physics journals, and presentation of results in a research seminar. A research problem will be carried out under the direction of one member of the faculty.

MR. HUFF MR. LINDSEY MR. C. A. REED MR. JARRELL

PHYS 502—RESEARCH—3 cr. (0 and 6)

A continuation of Physics 501 carrying the research to completion.

MR. HUFF MR. LINDSEY

PHYS 511—THERMODYNAMICS—3 cr. (3 and 0)

A study of the laws of thermodynamics entropy and properties of pure substances, engine cycles, the applications of thermodynamics to various systems and applications to chemical systems.

MR. C. A. REED

PHYS 512—KINETIC THEORY AND STATISTICAL MECHANICS—3 cr. (3 and 0)

A development of the kinetic theory of gases including derivations of relationships between molecular diameters, distribution of velocities, mean free paths, viscosity, thermal conductivity, specific heat, entropy, probability and reaction kinetics. The basic concepts of statistical mechanics for classical and quantum systems will be developed.

MR. HUFF

PHYS 521—DYNAMICS—3 cr. (3 and 0)

A study of the more advanced phase of dynamics including the equations of Lagrange and Hamilton, generalized coordinates, oscillatory and cyclic motion and the Newtonian potential theory.

MR. LINDSEY

PHYS 541—ELECTRODYNAMICS—3 cr. (3 and 0)

This course starts with Maxwell's equations for electric and magnetic fields and includes consideration of production and propagation of electromagnetic waves, wave optics and theories of interference and diffraction.

MR. JARRELL

PHYS 551—INTRODUCTION TO QUANTUM MECHANICS—3 cr. (3 and 0)

An introductory course formulating the mathematical and physical ideas associated with wave mechanics. Solution of simple physical systems including the hydrogen atom are discussed. *Prerequisites:* Phys 301 and Math 306

MR. HUFF

PHYS 552—THEORY OF ATOMIC SPECTRA—3 cr. (3 and 0)

A study of the excitation of spectra, computation of wave lengths from spectral photographs, the computation of energy levels and the correlation with theories of atomic structure.

MR. HUFF

PHYS 553—NUCLEONICS—3 cr. (3 and 0)

This course is designed to give the basic properties of and the experimental methods employed in the study of particles associated with the nucleus. A survey is made of the theories so far advanced for the interaction of these particles and the theories pertaining to the structure of simple nuclei.

MR. HUFF

PHYS 563—INTRODUCTION TO MATHEMATICAL PHYSICS—5 cr. (5 and 0)

A study of the general methods used in attacking mechanical problems in physics. Typical topics are: the linear oscillator; Lagranges and Hamilton's equations; motion of rigid bodies; normal coordinates and coupled systems; vibrating strings, membranes and solids; and the flow of fluids. *Prerequisite:* Math 306 and permission of instructor

MR. HUFF

PHYS 564—INTRODUCTION TO MATHEMATICAL PHYSICS—5 cr. (5 and 0)

The general laws of electromagnetism are first developed and then applied in a unified manner to the classical theory of electromagnetic radiation. Besides the usual discussion of reflection, refraction and diffraction of electromagnetic radiation some time is devoted to wave guides and cavity resonators. *Prerequisite:* Math 306 and permission of instructor

MR. HUFF

PHYS 566—RELATIVITY—3 cr. (3 and 0)

This course is intended to give a survey of the special and general theory of relativity including tensor calculus, the Lorentz transformation and the three experimental tests of the general theory: (1) planetary motion and the advance of the perihelion of Mercury (2) the bending of light rays in a gravitational field and (3) the gravitational shift of spectral lines.

MR. HUFF

POULTRY HUSBANDRY

MR. MORGAN

MR. COOPER

P H 301, 303—FARM AND COMMERCIAL POULTRY PRODUCTION—4 cr. (3 and 3)

A study of the nature and uses of poultry products, scope of the industry and agencies involved, classification of poultry, structure of the fowl, fundamentals of flock improvement, incubation, brooding, feeding, housing, disease control and sanitation, and the economic aspects of poultry production as a farm enterprise and a commercial business.

MR. COOPER

P H 451—POULTRY BREEDING—3 cr. (2 and 3)

A study of poultry improvement through culling and selection for meat and egg production and standard breed and variety characteristics, and the application of genetics to the problems of poultry breeding. *Prerequisites:* P H 301, 303 and Dairy 301 or Agron 302

MR. MORGAN

P H 452—POULTRY FEEDING AND FLOCK MANAGEMENT—3 cr. (2 and 3)

A study of the nutritive requirements of poultry, dietary deficiencies and curative factors, the compounding of rations for growing, laying and

breeding flocks of chickens and turkeys, the value of various feedstuffs and management practices with chickens and turkeys for maximum economic returns. *Prerequisites*: A H 301, P H 301 and 303

MR. MORGAN

P H 455—POULTRY GRADING AND PROCESSING—3 cr. (2 and 3)

A study of the classes, grades and judging of market poultry and poultry products, and the preparation, packaging, processing, storage and freezing preservation of eggs and poultry for market. *Prerequisites*: P H 301 and 303

MR. COOPER

P H 456—INCUBATION AND BROODING—3 cr. (2 and 3)

A study of the principles and practices of incubation and brooding of the various species of poultry, hatchery management and commercial broiler production. *Prerequisites*: P H 301 and 303

MR. COOPER

P H 459—POULTRY DISEASES AND PARASITES—3 cr. (2 and 3)

A study of the causes, occurrence, symptoms, treatment and prevention of poultry diseases and the identification, life history, symptoms, treatment and prevention of poultry parasites. Sanitary practices on poultry farms and in hatcheries and market establishments, and eradication and control measures for specific diseases and parasites will be considered. *Prerequisites*: P H 301, 303, Bact 301, 303 and V S 401

MR. MORGAN

P H 460—SEMINAR—2 cr. (2 and 0)

A study and discussion of current research and commercial problems in poultry production and marketing and selected special topics not fully covered in subject matter courses. *Prerequisites*: P H 301, 303 and pursuing major study in Poultry Husbandry

MR. MORGAN AND POULTRY STAFF

PSYCHOLOGY

MR. WAITE

PSYCH 301—GENERAL PSYCHOLOGY—3 cr. (3 and 0)

A survey of the field of psychology: development and adjustment, motivation, emotions, intelligence, personality, the sensory experiences, perception, learning, thinking, imagination, and mental hygiene. *Prerequisite:* Junior standing

MR. WAITE

PSYCH 302—SOCIAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the interaction between the individual and the forces of society: the classical theories, the psychobiological bases of human behavior, the sociocultural bases of behavior, types of human behavior, overt and covert experiences, symbolism, personality, and social interaction. *Prerequisite:* Psych 301

MR. WAITE

PSYCH 401—APPLIED PSYCHOLOGY—3 cr. (3 and 0)

An advanced course based upon the concepts of general psychology. The material includes causation in behavior, the psychology of attitudes, morale, the basic principles of motivation and work, individual differences, psychological testing in industry, interview techniques, motion and time analysis, industrial fatigue, psychological fatigue and related phenomena, accidents and their prevention, the working environment, psychological factors in labor turnover, advertising and consumer psychology and psychology in professional life. *Prerequisite:* Psych 301

MR. WAITE

RELIGION

MR. CROUCH

MR. GRIBBIN

REL 201—OLD TESTAMENT—3 cr. (3 and 0)

An outline study of the Old Testament with special emphasis on the prophets.

REL 203—LIFE OF CHRIST—3 cr. (3 and 0)

A study of the life of Christ beginning with a brief historical background of the world into which Christ came. The purpose of this course is to give a complete chronological picture of the life of Christ.

REL 305—NEW TESTAMENT OUTLINE—3 cr. (3 and 0)

A study of the background and beginnings of the Christian Movement.

MR. CROUCH

REL 401—INTRODUCTION TO PHILOSOPHY—3 cr. (3 and 0)

A historical survey of philosophy with emphasis on its connection with political and social circumstances from the earliest times to the present day. Particular attention will be given to those subjects which have always been the concern of both philosophy and religion. *Prerequisite*: Senior standing.

MR. GRIBBIN

RURAL SOCIOLOGY

MR. BOYD

R S 301—RURAL SOCIOLOGY—3 cr. (3 and 0)

A study of human social relationships as modified by life in the country including a consideration of the farm family, its housing, health, schooling, recreational opportunities, relation to land, and other similar topics.

MR. BOYD

R S 454—FARMERS' MOVEMENTS—3 cr. (3 and 0)

An examination of the efforts of farmers to organize for the improvement of agriculture. Beginning with the first local agricultural society, the development of this movement is followed through the period of the Civil War. After 1865, the Grange, Farmers' Alliance, and like movements, are studied in their chronological order.

MR. BOYD

R S 459—THE RURAL COMMUNITY—3 cr. (3 and 0)

A study of the growth and development of the rural community with emphasis on organization of the community for its effective functioning in a changing society.

MR. BOYD

R S 461—RURAL LEADERSHIP—3 cr. (3 and 0)

A study of the social and psychological factors involved in rural leadership including an examination and analysis of characteristics of the successful leader, and the role of the leader in the rural community.

MR. BOYD

SOCIOLOGY

MR. BURTNER

MR. WAITE

SOC 301—INTRODUCTORY SOCIOLOGY—3 cr. (3 and 0)

A study of the basic principles of sociology: culture, biological factors, the influence of geographical environment, human nature, group life, crowds, publics, social classes, cooperation, competition, conflict, accommodation, assimilation, human ecology, communities, social institutions, and social change. *Prerequisite:* Junior standing

STAFF

SOC 401—SOCIAL PROBLEMS—3 cr. (3 and 0)

A survey of the major social problems: Their background, group conflict, race conflict, war, the nature of population problems, social problems of industry, education, religion, disease and public health, poverty, dependency, and factors affecting social adjustment. *Prerequisite:* Soc 301

MR. BURTNER

SOC 402—THE FAMILY—3 cr. (3 and 0)

An inquiry into the problems of marriage and family life: the history of the family, the sociology of family life, mate selection, and courtship, husband-wife relationships, parents-child interaction, divorce, and conservation of family values. *Prerequisite:* Senior standing

MR. WAITE

SOC 403—CRIMINOLOGY—3 cr. (3 and 0)

A consideration of the major problems of crime and its treatment: causes of crime, criminal behavior, theories and practices in the treatment of criminals, and prevention of crime. *Prerequisite:* Soc 301

MR. WAITE

SOC 405—INDUSTRIAL SOCIOLOGY—3 cr. (3 and 0)

A study of industry as a social organization together with the scientific examination of personality industrial relations; the factory as a social system; problems of management; problems of labor; problems of special groups in industry; labor-management relations; and industry and the community. *Prerequisite:* 3 cr. of sociology and permission of the instructor

MR. BURTNER

SOC 406—REGIONAL SOCIOLOGY—3 cr. (3 and 0)

An analysis and survey of American regions. Emphasis is placed upon facts, factors, and policies pertaining to geography, population, culture, resources and waste, social institutions and planning methods of investigating regions in terms of social science. *Prerequisite:* 3 cr. of sociology

MR. BURTNER

SPANISH

MR. DEAN

MR. HARDEE

SPAN 101—ELEMENTARY SPANISH—3 cr. (3 and 0)

A course for beginners in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. HARDEE

SPAN 102—ELEMENTARY SPANISH—3 cr. (3 and 0)

A continuation of Span 101, in which a reader is also used.

MR. HARDEE

SPAN 201—INTERMEDIATE SPANISH—3 cr. (3 and 0)

A short review of grammar with conversation, composition, and dictation continued from Span 102 and the beginning of more serious reading of Spanish prose in short stories or novels.

MR. HARDEE

SPAN 202—INTERMEDIATE SPANISH—3 cr. (3 and 0)

While attention is paid to writing and speaking Spanish, more stress is laid on the rapid reading of more difficult Spanish prose than in the earlier courses.

MR. DEAN

SPAN 301—ADVANCED SPANISH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific Spanish prose.

MR. DEAN

SPAN 302—ADVANCED SPANISH—3 cr. (3 and 0)

A continuation of Span 301, with selections being made to suit the needs of the students.

MR. DEAN

TEXTILE CHEMISTRY AND DYEING

MR. LINDSAY

MR. LANGSTON

MR. GUION

MR. RAINEY

T C 301—TEXTILE CHEMISTRY—2 cr. (2 and 0)

An introductory course for Textile Manufacturing students covering chiefly the structure and behavior of the less complex organic chemicals employed in the textile industry up to and including the simpler carbohydrates. *Prerequisite:* Chem 102

MR. GUION

T C 302—TEXTILE CHEMISTRY—2 cr. (2 and 0)

A continuation of T C 301 and 303 covering more complex compounds; starches, cellulose, proteins, dyestuffs, and synthetic fibers and resins. Much of the laboratory work is devoted to the analysis of such materials as sizes, finishes and fabrics composed of various fiber mixtures. *Prerequisite:* Chem 102

STAFF

T C 303—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 301.

MR. GUION

T C 304—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 302.

STAFF

T C 305—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A comprehensive course for Textile Chemistry majors covering aliphatic organic compounds with major emphasis on products essential to the textile industry. *Prerequisite:* Chem 104

MR. RAINEY

T C 306—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A continuation of T C 305 and 307 covering the aromatic compounds with particular attention to the chemistry of dyes and dye intermediates.

Prerequisite: Chem 104

MR. RAINEY

T C 307—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 305.

MR. RAINEY

T C 308—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 306.

MR. RAINEY

T C 401—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A general study of the theory and practice involved in the chemical preparation of all types of fibers for textile use from the raw state through to the finished fabric. Such processes as scouring, bleaching, mercerizing, and the less complex dyeing procedures are covered. *Prerequisites:* T C 302 and 304

MR. LINDSAY MR. LANGSTON

T C 402—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A continuation of T C 402 and 404 covering the more advanced dyeing procedures with general coverage of textile printing as well as the many processes involved in textile finishing such as shrink-proofing, flame-proofing, crease resistance, and water repellancy. *Prerequisites:* T C 302 and 304

MR. LINDSAY

T C 403—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 401.

MR. LINDSAY

T C 404—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 402.

MR. LINDSAY

T C 410—COLOR MATCHING AND TESTING—1 cr. (0 and 3)

The principles of color matching and mixing with practice in reproducing shades to standard, and testing color fastness of textiles by approved methods.

MR. LINDSAY

T C 442—THESIS—2 cr. (0 and 6)

An investigation by each Textile Chemistry senior of an assigned problem related to textile processing. A formal written report is required from each student. *Prerequisite:* Senior standing

MR. LINDSAY

T C 447—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A course for Textile Chemistry majors similar to T C 401 and 403 except that it is more comprehensive with emphasis on the problems involved in the supervision of a textile finishing plant. *Prerequisite:* T C 306 and 308

MR. LINDSAY

T C 449—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 447.

MR. LINDSAY

T C 452—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A continuation of T C 447 and 449. *Prerequisites:* T C 306 and 308

MR. LINDSAY

T C 454—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 452.

MR. LINDSAY

T C 455—CELLULOSE CHEMISTRY—3 cr. (3 and 0)

An introductory course covering the constitution and behavior of cellulose and its derivatives. Particular attention is given to the purification of wood and other raw materials used for the preparation of rayon pulps. *Prerequisites:* T C 306 and 308

MR. LANGSTON

T C 456—CHEMISTRY OF SYNTHETIC FIBERS AND FINISHES—2 cr. (2 and 0)

A study of the chemistry of large molecular substances such as nylon, vinyon, the rayons, and the protein-type synthetics. The varied synthetic resins used for special effects on textiles are covered in detail. *Prerequisites:* T C 306 and 308

MR. LANGSTON

T C 511—THE THEORY AND APPLICATION OF SYNTHETIC RESINOUS MATERIALS—3 cr. (2 and 3)

The aim of the course is to give the student a comprehensive survey of the history, present utility, and probable future expansion of synthetic resins. This subject must be considered important in the field of textiles because of the tremendous interest developed in the last few years in the use of these resins in many types of textile finishing. *Prerequisite:* T C 306

MR. LANGSTON

T C 512—THE THEORY AND APPLICATION OF SYNTHETIC RESINOUS MATERIALS—3 cr. (2 and 3)

A continuation of T C 511.

MR. LANGSTON

T C 521—ADVANCED CELLULOSE CHEMISTRY—3 cr. (3 and 0)

The purpose of the course is to present the chemistry of cellulose and closely related polysaccharides through a systematic study of the extensive volume of research which has been completed on these substances. *Prerequisite:* T C 455

MR. LANGSTON

T C 531—CHEMISTRY OF COLORING MATTERS—3 cr. (2 and 3)

The work consists of an advanced study of coloring bodies in their major forms, as dyes, pigments, and lakes. Their structure and formulation

for use are covered in detail with the chief emphasis being placed on the more complex forms, such as the vat colors and the insoluble azo compounds.
Prerequisite: T C 452

MR. RAINEY

T C 541—RESEARCH—3 cr.

Research in textile chemistry.

STAFF

T C 542—RESEARCH—3 cr.

A continuation of T C 541.

STAFF

TEXTILE MANAGEMENT

MR. BROWN

MR. HEYN

MR. EDWARDS

MR. WRAY

MR. CAMPBELL

MR. GRAHAM

MR. GAMBRELL

*MR. CARSON

MR. RICHARDSON

T M 101—INTRODUCTION TO TEXTILES—3 cr. (2 and 3)

An introduction to textile manufacturing. Elementary studies of staple fibers, and machinery involved in converting them into yarns and fabrics.

MR. GAMBRELL

T M 401—TEXTILE COSTING—5 cr. (3 and 6)

A study in the principles of costing as they apply to the manufacture of textiles. Allocating the cost of material, labor and overhead; determining the costs of individual yarns and fabrics; valuing the inventory; making of cost reports and payroll analysis. *Prerequisite:* Seniors majoring in Textiles

MR. CAMPBELL

T M 403—TEXTILE MANAGEMENT—3 cr. (3 and 0)

The mill and its equipment; control of labor costs; selection of materials; production controls and the use of budgets.

MR. WRAY

*On leave

T M 454—TIME STUDY—3 cr. (2 and 3)

Rating method; job analysis; establishing wage scales; group-piece and premium plans.

MR. CARSON MR. RICHARDSON

T M 460—NATURAL FIBERS—3 cr. (3 and 0)

Fundamental properties of textile fibers as studied from the chemical, physical, and botanical side. The microscopic and molecular structure development in the plant, and extraction and preparation from the plant. Survey of plant fibers and fiber plants and more complete discussion of the main natural (plant and animal) fibers. Methods of fiber research. *Prerequisite*: Senior standing

MR. HEYN

T M 461—MANUFACTURED FIBERS—3 cr. (3 and 0)

This course is designed to give the students an overall picture of the production processes and fundamental properties of the more important man-made fibers. Special stress will be placed on the relation of the various physical properties to the manufacture and purpose of the end products in which these fibers are used. *Prerequisite*: Senior Standing

MR. HEYN

T M 462—TEXTILE MICROSCOPY—2 cr. (1 and 3)

This course is especially planned to enable the student to utilize the microscope for examination and identification of textile fibers and materials used in the textile and related industries. *Principal Topics*: The preparation of the various materials used in the textile industry for microscopic examination.

MR. HEYN MR. EDWARDS

T M 464—PHYSICAL TEXTILE TESTING—2 cr. (1 and 3)

This course gives the student a comprehensive understanding of all the important machines and techniques used in physical testing of fibers, yarns, and fabrics. The applications of testing in modern textile research are stressed. *Prerequisite*: Senior standing

MR. BROWN MR. EDWARDS MR. GAMBRELL

VETERINARY SCIENCE

MR. FEELEY

V S 401—ANATOMY AND PHYSIOLOGY—3 cr. (2 and 3)

The purpose of the course is to give agricultural students a general knowledge of anatomy and physiology of farm animals. Principal topics studied include physiology of digestion, chemical and physical processes of digestion and absorption, common diseases, farm sanitation, and first aid treatment.

MR. FEELEY

V S 402—DISEASES OF ANIMALS—3 cr. (2 and 3)

A course designed to give agricultural students instruction in the recognition, causes, and treatment of the diseases of farm animals. The principles of etiology, pathology, diagnosis, symptoms, and treatment of infectious and noninfectious diseases are considered at length.

MR. FEELEY

WEAVING AND DESIGNING

MR. MCKENNA

MR. CARTEE
MR. TARRANT
MR. WALTERS
MR. WILLIAMS
*MR. HANCE

*MR. HUBBARD
MR. LAROCHE
MR. ALLEN
MR. BERRY
MR. CARSON

MR. FRICK
MR. GAINES
MR. JAMESON
MR. TAYLOR
*MR. WHITTEN

W D 201—FABRIC DESIGN—3 cr. (2 and 3)

A study of the basic weaves for cloth fabrication. Plain, twill, sateen weaves, and their derivatives; drawing-in drafts, reed plan, chain drafts, shedding cam design, and analysis of fabrics to obtain weave.

MR. WILLIAMS MR. JAMESON MR. TAYLOR MR. WHITTEN

W D 202—FABRIC DESIGN—2 cr. (1 and 3)

A study of the more complex and intricate weaves for fabrics. Extra warp and filling for weight and figure, filling reversible, double cloth, double plain and matelasse, Bedford Cord and pique, velveteen and corduroy, and Turkish towel. *Prerequisite:* W D 201

MR. LAROCHE MR. CARSON MR. JAMESON MR. WHITTEN

*On leave

W D 205—CAM LOOM MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustments of the cam loom. Analytical study of the loom, adjustment and timing of the shedding motion, adjustment and timing of the picking motion, the beating-up motion, let-off and take-up motions, gearing, speeds, production.

MR. WALTERS MR. BERRY MR. LAROCHE MR. WHITTEN

W D 206—CAM LOOM MECHANISMS—2 cr. (1 and 3)

A further study of the cam loom mechanisms to include the automatic filling transfer, filling feelers, filling cutters, filling stop motion, warp stop motions, extra attachments such as tape selvage motions, auxiliary cams for twill and sateen weaves, and the various over-head attachments for shedding motions of more than two harnesses, loom calculations. *Prerequisite:* W D 205

MR. WALTERS MR. WILLIAMS MR. BERRY

W D 301—FABRIC STRUCTURE AND DESIGN—2 cr. (1 and 3)

A study of the plans, drafts, and specifications required for the production of plain, leno, and figured fabrics. Leno mechanisms and design; warp and filling layouts; weave combinations; fabric construction; ratio of intersections; harness, reed, and chain plans; warping and slashing plans. *Prerequisite:* W D 201

MR. TARRANT MR. HUBBARD

W D 302—FABRIC ANALYSIS—2 cr. (1 and 3)

A study of the analysis of fabrics as they come to the mill for reproduction. Methods of determining yards per pound from a small sample and from the yarn counts; overall and ground construction; selection of yarn counts; determining the design, drawing-in-draft, chain draft, and reed plan; warp dressing plan; cotton, wool, silk, and rayon fabrics. *Prerequisites:* W D 201, 202

MR. CARTEE

W D 305—DOBBY AND BOX MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustment of dobby and box mechanisms. Setting and timing of the cylinder, knives, dobby crank, and shed; study of the box mechanisms and the use of

two or more filling yarns in the weaving of fancy fabrics; setting, aligning, and timing of the box motion, and the building of pattern chains. *Prerequisites:* W D 205, 206

MR. CARTEE MR. TARRANT

W D 306—JACQUARD MECHANISM—2 cr. (1 and 3)

A study of the theory and mechanisms of the jacquard machine and its complementary equipment. Types of jacquard machines and principles of operation; methods of harness building; card cutting and lacing machines. *Prerequisites:* W D 201, 205

MR. HUBBARD MR. FRICK

W D 309—KNITTING—1 cr. (0 and 3)

A study of the principles of knitted fabric construction and hosiery production. Knitting mechanisms, construction of knitted fabrics, and hosiery, rib knitting, hosiery machinery, fancy knitting, and knitting calculations.

MR. ALLEN

W D 310—ADVANCED HOSIERY KNITTING—3 cr. (2 and 3)

A course of study of advanced types of circular hosiery machines and of the modern type of ribbers involved in the manufacture of the more complex types of hosiery. Included will be a study of mill problems and a study of yarns used in the knitting of hosiery. *Prerequisite:* W D 309

MR. ALLEN

W D 311—FLAT KNITTING MECHANISM—2 cr. (1 and 3)

Elements of flat knitting for those majoring in knitting. The course deals with principles used mainly in tricot warp knitters and the so-called knitting looms. Also included are studies of suitable yarns and preparation of knitting warps.

MR. ALLEN

W D 312—KNITTED DESIGN AND ANALYSIS—2 cr. (1 and 3)

A study of the pattern mechanisms of hosiery machines and of the pattern mechanisms of the more complicated ribbers. A study of design for these machines from the designer's standpoint and from the practical stand-

point. Analysis of knit fabrics will be included along with costing procedures of a knitting mill engaged in half hose manufacture. *Prerequisite:* W D 309

MR. ALLEN

W D 401—WARP PREPARATION—2 cr. (1 and 3)

A study of warping and slashing mechanisms and the plans and requirements for efficient operation. Types of warping equipment; slashing machinery; size mixtures and processing methods for cotton, rayon, and other fibers. *Prerequisite:* W D 301

MR. McKENNA

W D 402—FABRIC DEVELOPMENT—2 cr. (1 and 3)

Production of woven patterns as studied in fundamental courses in the Weaving and Designing Department. Fabric development, analysis, and cloth order problems. *Prerequisites:* W D 301, 302, 305

MR. WALTERS

W D 410—CIRCULAR BODY KNITTING—2 cr. (1 and 3)

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Y M 201—BLENDING AND CLEANING—3 cr. (2 and 3)

A study of the mechanical equipment used to open, blend and clean the raw materials and to prepare cotton and other staple fibers for succeeding yarn manufacturing processes. Blending of staple fibers; calculations for drafts, measuring devices, waste, evener motions and production.

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Y M 202—CARDING—3 cr. (2 and 3)

A study of the theory and operation of the card as it is used in the processing of staple fibers and the doubling and drafting of sliver on the drawing frame. Card construction, settings, clothing, ratio of speeds and draft, production and waste studies on the card. Drawing frame construction, drafts and doubling.

MR. MARVIN MR. WILSON

Y M 301—ROVING FRAMES—3 cr. (2 and 3)

The construction and operation of fly frames. Drafting, twisting and winding on slubbers, intermediates, and Jack frames; production, rolls, spindles, and flyers, differential motions and cones, twist per inch, all calculations for these topics.

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Y M 302—SPINNING—3 cr. (2 and 3)

A study of the manufacturing possibilities of the ring spinning frame and ring twister as they are used in the processing of staple fibers. The theory of the spindle, ring and traveler, drafts, twist, builder motions, production, general machine construction, and problems applicable to machines.

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Y M 305—COTTON MARKETING—1 cr. (0 and 3)

Cotton classing according to U. S. Government Standards for grades and staples. Classing and valuing all grades of cotton raised in U. S.; methods of ginning, marketing, and handling cotton; contracts and claims.

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Y M 306—COMBING—2 cr. (1 and 3)

A study of settings and adjustment of the comber and its preparatory machines; the value and use of its product. Timing and setting comber for various staples and required waste, production and other calculations; management; and operation of these machines.

MR. BLAIR

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MR. WARE

MR. WARNHOFF

ZOO 101, 103—GENERAL ZOOLOGY—4 cr. (3 and 3)

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Designed to give the student advanced training in zoological principles, physiology and comparative vertebrate anatomy. *Prerequisites:* Zool 101 and 103

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ZOO 302—VERTEBRATE EMBRYOLOGY—3 cr. (2 and 3)

Designed to give the student the fundamentals of developmental anatomy of the organ systems as illustrated by the chick and pig. By actual preparation of histological sections and mounts the student acquires

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A study of breeding habits of game animals and birds and type of territory desirable. The ethics of sportsmanship, and the control of predators are among other subjects covered.

MR. WARE

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Barnwell	R. H. Sams, B.S.	Barnwell
Cherokee	L. J. P. Stone, B.S.	Gaffney
Chester	D. C. Wylie, Jr., B.S.	Chester
Chesterfield	L. F. Cato, B.S.	Chesterfield
Clarendon	N. C. Anderson, B.S.	Manning
Colleton	J. R. White, Jr., B.S.	Walterboro
Darlington	W. J. Huntley, B.S.	Darlington
Dillon	H. F. Livingston, B.S.	Dillon
Dorchester	L. B. Shelley, B.S.	St. George
Edgefield	W. G. Yarborough, B.S.	Edgefield
Fairfield	E. V. Ragsdale, B.S.	Winnsboro
Florence	A. C. Odom, B.S.	Florence
Florence	F. M. Fleming, B.S.	Florence
Greenville	H. F. Meadows, B.S.	Greenville
Greenville	J. W. Gilliam, B.S.	Greenville
Greenville	*G. D. Butler	Greenville
Greenwood	E. G. Tate, Jr., B.S.	Greenwood
Horry	D. A. Benton, B.S.	Conway
Horry	W. J. Gray, B.S.	Conway

*Special Assistant

Jasper	R. W. Sanders, B.S.	Ridgeland
Kershaw	R. R. Montgomery, B.S.	Camden
Lancaster	M. H. Lynn, B.S.	Lancaster
Laurens	J. B. Williams, B.S.	Laurens
Lee	V. F. Linder, B.S.	Bishopville
Lexington	M. A. Bouknight, B.S.	Lexington
Marion	M. J. Carter, B.S.	Marion
Marlboro	J. L. Brown, B.S.	Bennettsville
Marlboro	D. E. Epps, B.S.	Bennettsville
Newberry	W. A. Ridgeway, B.S.	Newberry
Oconee	J. C. Morgan, B.S.	Walhalla
Oconee	*D. P. Matheson, B.S.	Clemson
Orangeburg	J. B. Griffith, B.S.	Orangeburg
Orangeburg	J. H. Evans, B.S.	Orangeburg
Pickens	P. H. Bedenbaugh, Jr., B.S.	Pickens
Pickens	*W. D. Wood, B.S.	Pickens
Richland	C. E. Cousins, B.S.	Columbia
Saluda	H. V. Rogers, B.S.	Saluda
Spartanburg	J. W. Kelly, B.S.	Spartanburg
Spartanburg	R. D. McNair, B.S.	Spartanburg
Sumter	R. P. Alston, B.S.	Sumter
Union	E. M. Caldwell, B.S.	Union
Williamsburg	L. B. Harrington, B.S.	Kingsree
York	C. H. Fant, B.S.	York
York	J. D. Williams, B.S.	York

* Special Assistant.

NEGRO AGRICULTURAL AGENTS

E. N. Williams, B. S., State Supervisor, Negro Agricultural Extension Work,
State College, Orangeburg, S. C.

Waymon Johnson, B.S., Asst. State Supervisor, Negro Agricultural Extension
Work, State College, Orangeburg, S. C.

County	Name	Post Office
Aiken	T. A. Hammond, B.S.	Aiken
Anderson	G. W. Stewart, B.S.	Anderson
Bamberg	E. D. Dean, B. S.	Bamberg
Beaufort	Benjamin Barnwell, B.S.	Beaufort
Berkeley	R. C. Bacote, B.S.	Moncks Corner
Colleton	J. J. Mitchell, B. S.	Walterboro
Charleston	J. A. Amaker, B. S.	Charleston
Chester	M. M. Sitton, B.S.	Chester
Chesterfield	C. N. Wilson, B.S.	Chesterfield
Clarendon	William Thompson, B. S.	Manning
Darlington	S. C. Disher, B.S.	Darlington
Dorchester	Eugene Frederick, B. S.	St. George
Fairfield	D. G. Belton, Jr., B.S.	Winnsboro
Florence	H. S. Person, B.S.	Florence
Greenville	R. W. Anderson, B. S.	Greenville
Greenwood	L. V. Walker, B.S.	Greenwood
Horry	W. P. Johnson, B.S.	Conway
Kershaw	J. D. Marshall, B.S.	Camden
Lancaster	R. N. Smith, B.S.	Lancaster
Laurens	B. J. Gill, B.S.	Laurens
Marion	C. A. Brown, B.S.	Marion
Marlboro	J. W. Nesbitt, B.S.	Bennettsville

Newberry	W. M. Holcomb, B.S.	Newberry
Orangeburg	G. W. Daniels, B.S.	Orangeburg
Orangeburg	°Q. J. Smith, B.S.	Orangeburg
Richland	H. A. James, B.S.	Columbia
Spartanburg	R. C. Smith, Jr., B.S.	Spartanburg
Sumter	Arthur Sanders, B.S.	Sumter
Union	J. M. Robinson, B.S.	Union
Williamsburg	V. B. Thomas, B.S.	Kingstree
York	B. T. Miller, B.S.	Rock Hill
Orangeburg	G. W. Dean, B.S., Negro Agricultural Agent	
	At-Large	Orangeburg

°Assistant Negro Agricultural Agent.

HOME DEMONSTRATION EXTENSION DEPARTMENT

The United States Department of Agriculture, Clemson College and Winthrop College, working in cooperation.

JUANITA NEELY, A.B., M.S.

State Home Demonstration Agent, Rock Hill

JANE KETCHEN, B.S.

Assistant State Home Demonstration Agent, Rock Hill

LAURA CONNOR, B.S. ----- District Home Demonstration Agent, Rock Hill

HELEN D. HOLSTEIN, B.S. ----- District Home Dem. Agent, Rock Hill

GERTRUDE LANHAM, B.S., M.S. ----- District Home Dem. Agent, Rock Hill

ELOISE JOHNSON, B.S. ----- State Girls' 4-H Club Agent, Rock Hill

LOUISE HERIOT, B.S. ----- Assistant State Girls' 4-H Club Agent, Rock Hill

CURTYS BALLENTINE, B.S. ----- Extension Health Specialist, Rock Hill

PORTIA SEABROOK, B.S., M.S. ----- Extension Clothing Specialist, Rock Hill

JANIE MCDILL, B.S., M.S. ----- Extension Nutritionist, Rock Hill

MARGARET MARTIN, B.S., M.S. ----- Extension Food Specialist, Rock Hill

RUBY CRAVEN, B.S. ----- Home Management Specialist, Rock Hill

SALLIE PEARCE, B.S. ----- Extension Marketing Specialist, Rock Hill

COUNTY HOME DEMONSTRATION AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville	Cora Lee Coleman, B.S.	Abbeville
Aiken	Alpha Covar, B.S.	Aiken
Allendale	Mamie Sue Hicks, B.S.	Allendale
Anderson	Edith Childers, B.S.	Anderson
Bamberg	Marie Lambert, B.S.	Bamberg

Barnwell	Elizabeth McNab, A.B.	Barnwell
Beaufort	Mary Ellen Eaves, B.S., A.B.	Beaufort
Berkeley	Elizabeth D. Boykin, A.B.	Moncks Corner
Calhoun	Jeanne Coleman, B.S.	St. Matthews
Charleston	Lottie Marian Clements, B.S.	Charleston
Cherokee	Teresa Caskey, B.S.	Gaffney
Chester	Julia Dukes, B.S.	Chester
Chesterfield	Lillian D. Rivers, B.S.	Chesterfield
Clarendon	Eleanor Carson, B.A., M.S.	Manning
Colleton	Eva M. McGee, B.S.	Walterboro
Darlington	Mary Clarkson, B.S.	Darlington
Dillon	Etta Sue Sellers, B.A.	Dillon
Dorchester	Ophelia Barker, B.S.	St. George
Edgefield	Harriet G. Lyon, B.S.	Edgefield
Fairfield	Mattie Lee Cooley, A.B., B.S.	Winnsboro
Florence	Vela Smith, B.S.	Florence
Georgetown	Louise Clements, B.S.	Georgetown
Greenville	Myrtle Nesbitt, B.S.	Greenville
Greenwood	Elizabeth Herbert, A.B.	Greenwood
Hampton	Annie Rogers, B.S.	Hampton
Horry	Margaret Cloud, B.S.	Conway
Jasper	Elizabeth B. Berry, B.S.	Ridgeland
Kershaw	Margaret Fewell, B.A.	Camden
Lancaster	Merrell A. Lane, B.S.	Lancaster
Laurens	Susan Hall, B.S.	Laurens
Lee	Mary Robert Spencer, B.S.	Bishopville
Lexington	Elizabeth Leonard, A.B., B.S.	Lexington
McCormick	Matilda Bell, B.S.	McCormick
Marion	Margie Davis, B.S.	Marion
Marlboro	Lucile Stuckey, B.S.	Bennettsville
Newberry	Ethel Counts, B.A.	Newberry
Oconee	Mary C. Haynie, B.A.	Walhalla
Orangeburg	Sara E. Neely, B.S.	Orangeburg
Pickens	Sarah G. Cureton, B.S.	Pickens
Richland	Marguerite Summer, B.S.	Columbia
Saluda	Novice Hartzog, B.S.	Saluda
Spartanburg	Ellie Herrick, B.S.	Spartanburg
Sumter	Alice Jordan, B.S.	Sumter
Union	Blanche Kelley, B.S.	Union
Williamsburg	Myrtle H. McFaddin, B.S.	Kingstree
York	Georgia Taylor, B.S.	Rock Hill

ASSISTANT COUNTY HOME DEMONSTRATION AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken.....	Margaret G. McFadden, B.S.	Aiken
Anderson.....	Velma M. Cannon, B.S.	Anderson
Anderson.....	Mary E. Pace, B.S.	Anderson
Beaufort.....	Mildred Koger, B.S.	Beaufort
Berkeley.....	B. Carolyn Meares, B.S.	Moncks Corner
Cherokee.....	Gladys L. Henry, B.S.	Gaffney
Chester.....	Willie Mae Elliott, B.S.	Chester
Chesterfield.....	Thedia W. Ward, B.S.	Chesterfield
Clarendon.....	Doris E. Wilson, B.S.	Manning
Colleton.....	Julia Cox, B.S.	Walterboro
Darlington.....	Betty Anne Locke, B.S.	Darlington
Dillon.....	Margaret F. Hicklin, B.S.	Dillon
Florence.....	Bobby J. Huggins, B.S.	Florence
Florence.....	Mary Frances Shirley, B.S.	Florence
Greenville.....	Rose Liles, B.S.	Greenville
Horry.....	Rose Jacobs, B.S.	Conway
Kershaw.....	Frances B. Hicks, B.S.	Camden
Lancaster.....	Evelyn Snow, B.S.	Lancaster
Laurens.....	Adeline V. Long, B.S.	Laurens
Lexington.....	Virginia D. Pike, B.S.	Lexington
Marion.....	Helen M. Graham, B.S.	Marion
Newberry.....	Jane Winn, A.B.	Newberry
Oconee.....	Margaret G. Watson, B.S.	Walhalla
Orangeburg.....	Betty O. Biggs, B. S.	Orangeburg
Pickens.....	M. Louise League, B.S.	Pickens
Richland.....	Theresa W. Beckham, B.S.	Columbia
Saluda.....	Mildred Lucile Evans, B.S.	Saluda
Spartanburg.....	Jeannette M. Griffin, B.S.	Spartanburg
Sumter.....	Rosalie C. Rayle, B.S.	Sumter
Williamsburg.....	Martha Lucas, B.S.	Kingstree
York.....	Kathleen S. Matthews, B.S.	Rock Hill
Assistant-At-Large.....	Marie Sullenger, B.S.	Hampton

NEGRO HOME DEMONSTRATION WORKERS

Marian B. Paul, B.S., State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

Willie M. Price, Assistant State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken.....	Thelma S. Hallman, B.S.	Aiken
Allendale.....	Annie Mae Butler, B.S.	Allendale
Anderson.....	Cynthia Williams, B.S.	Anderson
Bamberg.....	Hallie B. Perry, B.S.	Bamberg
Barnwell.....	Bette H. Shakesnider, B.S.	Barnwell
Beaufort.....	Williett Bowers, B.S.	Beaufort
Berkeley.....	Fannie M. Brown	Moncks Corner
Charleston.....	Albertha DeVeaux	Charleston
Cherokee.....	Martha Reid, B.S.	Gaffney
Colleton.....	Gussie M. Goudlock, B.S.	Walterboro
Darlington.....	Sara Aiken, B.S.	Darlington
Dorchester.....	Lillie Mae Jamerson, B.S.	St. George
Fairfield.....	J. Alfreda Wright	Winnsboro
Florence.....	Lillian Brown, B.S.	Florence
Georgetown.....	Rosa G. Gadson, B.S.	Georgetown
Greenville.....	Delphena W. Arnold	Greenville
Greenwood.....	Marie K. Adams, B.S.	Greenwood
Hampton.....	Leona W. Bing, B.S.	Hampton
Lancaster.....	Annabelle E. Spann, B.S.	Lancaster
Marion.....	Johnnie G. Sloan, B.S.	Marion
Marlboro.....	Minnie E. Gandy, B.S.	Clio
Newberry.....	Lillian G. Saunders, B.S.	Newberry
Orangeburg.....	Rosa R. Odom, B.S.	Orangeburg
Richland.....	Bertha B. Sawyer, B.S.	Columbia
Spartanburg.....	Cammie Fludd, B.S.	Spartanburg
Sumter.....	Helen C. Walker, B.S.	Sumter
Union.....	Laura J. Whitney, B.S.	Union
Williamsburg.....	Eva G. Lawrence, B.S.	Salters Depot
York.....	Helen Barnwell, B.S.	Rock Hill

Note: All Negro Home Demonstration Agents have had college training in Home Economics.

THE SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION

The Agricultural Experiment Station of South Carolina is a department of Clemson College. The experiment station at present consists of the main station, which is located at Clemson, and five sub-stations: one at Summerville, in the coastal plain region; one at Florence, in the Pee Dee section; one at Pontiac, near Columbia, in the sandhill region, one in the trucking section near Charleston; and one in Barnwell county in the melon-growing area. The main offices and laboratories of the station are located on the Clemson College campus, while the station farm, consisting of about 200 acres, is east of and adjoining the College campus. The investigations dealing with the fundamental principles of agricultural science and with the application of such principles to practical agricultural operations are carried on in the laboratories and on the experiment station farm at Clemson. The experiments looking to the adaptation of such scientific data accumulated here and elsewhere to the conditions peculiar to certain sections of the State are carried on at the sub-stations.

It is the aim of the experiment station to conduct research work on problems which have a direct practical bearing on the agriculture of the State. With this end in view extensive experiments relative to the best methods of procedure under various conditions with the principal plants and animals have been undertaken. Economic and social problems are likewise being investigated. As progress is made the results obtained are given out to farmers in the form of bulletins, circulars, and personal letters. Since the establishment of the station, 379 such bulletins and 74 circulars have been published, covering practically all phases of agriculture.

Aside from the research work and the publication of results obtained from such research, the experiment station performs various other duties. Among these might be mentioned the entomological and pathological inspection work (which aims to protect the farms, orchards, and gardens of the State against the introduction of injurious insects and diseases); the biological and soil survey of the State, and the cooperative experimental work carried on with farmers in the State. The technically trained

experts of the station staff are regarded as authorities in their several specialties, and they are constantly giving out information relating to the various lines of agricultural endeavor. The station staff also aids in disseminating agricultural knowledge by co-operating with the Extension Service of the College in holding agricultural meetings and conferences and by meeting with the farm demonstration agents and giving to them technical information which they in turn carry direct to the farmers.

Close cooperation is maintained with the various research bureaus of the United States Department of Agriculture and with the departments of the College. The laboratories are always open to inspection by students and other people of the State. The same is true of the experiment station farm. There is always opportunity for a limited number of students to secure work in the various divisions of the station and to assist in the research work carried on by the members of the station staff.

Home economics research is carried on in cooperation with Winthrop College at Rock Hill. This work is designed to secure additional information on economic, social, and health factors influencing the home and living conditions of rural people.

Close cooperation is maintained between the home economics research department, the teaching and extension workers in this field, and the clubs and societies engaged in the promotion of better rural homes.

A full report of the work and expenditures of the Experiment Station is published annually and this report and all other publications of the station are free and will be sent on request. (Requests for these should be addressed to the Director, Agricultural Experiment Station, Clemson, S. C.)

FERTILIZER INSPECTION AND ANALYSIS

The work of fertilizer inspection and analysis is under the supervision of the Fertilizer Board of Control consisting of a Committee of the Board of Trustees. The work of inspection and analysis is a department of the Agricultural Experiment

Station. District Inspectors are located in different parts of the State. Their duties are to collect official fertilizer samples for analysis and check on the tagging and labelling of all fertilizer material.

The chemical work consists of the analysis of commercial fertilizers as provided for by the Fertilizer Law of the State. This Department also undertakes the analysis of waters, ores, minerals, and other naturally occurring materials, portions of human bodies in cases of suspected poisoning (as provided by law), and the analysis of home-mixed fertilizers. All the work of this Department is done without charge.

THE AGRICULTURAL EXTENSION SERVICE

The agricultural extension work of Clemson College and the United States Department of Agriculture cooperating is carried on by the Clemson College Extension Service. The work is supported by federal, state, and county appropriations. The main development of extension work has come since the enactment of the Federal Smith-Lever Act of 1914 providing grants of funds to the states for this purpose. The purpose of extension work is to diffuse among farm people useful and practical information on subjects related to agriculture and the farm home, and, through demonstrations and other practical methods, to stimulate the application of such information by farm people.

Agricultural Extension Work:—Under an Act of the Legislature in 1929, each county in the State has a county farm agent. These agents are agricultural college graduates who have had practical farm experience. They devote their time to the development of the agriculture of their respective counties through farm visits, demonstrations, personal conferences, meetings, community organizations, publications, letters, and otherwise. A staff of extension specialists representing the important lines of agriculture in the State assists the county agents in planning and carrying out the extension program.

Home Demonstration Work:—While home demonstration work is a part of the cooperative program of extension work under the Smith-Lever Act, and is under the general direction of the Extension Service, this work is conducted under the im-

mediate supervision of Winthrop College. Every county is provided with a home demonstration agent by legislative enactment, and these agents conduct educational demonstration work with farm women and girls in the production, preparation, and conservation of the family food supply, home marketing, home improvement, clothing, home furnishings and home management, nutrition, community organization, girls' 4-H club work, and other farm home activities.

Negro Demonstration Work:—Thirty-four negro agricultural agents and thirty-one negro home demonstration agents are employed to do extension work with negro farmers of the State in counties having large negro populations. These agents are employed in cooperation with the State College at Orangeburg, where the supervising agents for this work are located.

Agricultural Economics and Farm Management:—The extension program in agricultural economics and farm management is directed toward a wider dissemination among farm people of economic information, including the results of research work and farm experience, that may be useful to them in planning and conducting their farm businesses. This program includes outlook and economic information, the analysis of farm and home accounts and enterprise records on crops and livestock, kept by farm people with the aid of extension workers, county program planning work, farm tenure work, outlook information, and other activities in this field.

Agricultural Engineering: Extension work in agricultural engineering includes mainly educational work with farm people in the proper terracing and drainage of farm lands, irrigation, the efficient use of farm machinery and equipment, plans for farm buildings and other farm structures, improved cotton ginning methods, the utilization of electric power on the farm and farm water systems.

Field Crops:—Extension work with farm people on field crops includes educational demonstration work in the efficient production of high quality cotton, corn, tobacco, small grains, summer and winter legumes, hay crops, and other crops that are of importance to South Carolina farmers as sources of income and also

food and feed, and the efficient use of commercial fertilizers. This work is currently emphasizing annual grazing and improved permanent pastures.

Livestock:—Extension work in this project includes demonstrations in efficient livestock production, including the use of pure-bred sires, hog-feeding demonstrations, swine sanitation demonstrations, beef cattle, sheep and mule production, cooperative marketing of livestock, 4-H pig and beef calf club work, and the preservation of the farm meat supply.

Dairying:—Extension work in dairying includes work with farm people in placing and encouraging the use of purebred sires, artificial insemination, dairy herd management, care and handling of milk, pastures and feed production, 4-H dairy calf club work, the marketing of dairy products and dairy cattle, the use of dairy equipment, and the feeding and management of the family cow.

Crop Insects and Diseases:—Crop insects and diseases take a heavy toll on the farms of South Carolina every year. The extension program in this line includes educational demonstration work in the prevention and control of crop diseases, crop insects, and work with beekeepers.

Forestry:—The extension program in farm forestry is directed toward the conservation, proper utilization, and efficient marketing of the farm forestry resources in the State. This program includes educational demonstration work in reforestation, thinning, pruning, selective cutting, fire protection, and timber estimating.

Boys' 4-H Club Work:—Agricultural clubs of farm boys are organized for the purpose of enlisting the intelligent interest of the boys and their parents in improved methods of agriculture. This program includes the organization of 4-H clubs, supervision of 4-H club demonstrations of crops and livestock production and checking the results, training 4-H judging and demonstration teams, leadership, and citizenship training, and holding 4-H club camps, tours, and recreational meetings.

Horticulture:—Extension work with farm people along horticultural lines includes mainly demonstration work in home or-

chard establishment and management, commercial peach and apple production, home gardens, the production of commercial truck crops, and sweet potato production. The emphasis is placed upon the efficient production of quality products both for home use and for the market.

Marketing.—Since the efficient marketing of farm products cannot be wholly separated from production, much of the time of all extension workers is devoted to assisting farm people with their marketing problems. This program includes assistance in the organization and operation of cooperative marketing associations, cooperation with auction markets, supervision of the federal-state shipping point inspection service for fruits and vegetables, demonstrations in grading and packing farm products, all of which is connected with the work of the Extension Service in aiding farm people to produce the varieties and quality of farm products that can be sold on the markets in this State and in other states.

Poultry.—The extension program of poultry demonstration work includes demonstration poultry and turkey flocks, the brooding and rearing of chicks, disease and parasite control, the construction of poultry houses and the use of poultry equipment, the development of poultry breeding flocks, 4-H poultry club work, and the marketing of surplus poultry and eggs from the farms of the State.

Publication and News.—The extension program of publications and news includes the preparation, editing and distribution of agricultural bulletins, news material and circulars, both from the College, and from the offices of the county agents and home demonstration agents. Mimeographed news articles and special news stories of agricultural interest are supplied to the newspapers of the State, and to the Associated Press. Monthly letters or printed circulars on poultry, orchards, gardening, dairying and Boys' 4-H club work are mailed free of charge to those persons especially interested in these subjects. Bulletins covering the important lines of farm activity in the State are prepared and made available to farm people who desire such information.

Radio Programs:—Radio programs are presented weekly over almost all of the radio stations in the State, bringing current agricultural news to the farm people.

Visual Instruction:—The extension program of visual instruction includes the production and showing of educational motion pictures, film strips, and slides on agricultural and home economics subjects, and the production of photographs, charts, maps, and other visual educational material.

Other Activities:—The Extension Service represents the Clemson Agricultural College, which is the Land Grant College of the State, in conducting the educational work among farm people in connection with agricultural programs of the Federal government, such as the Agricultural Adjustment program, the Soil Conservation program, the Rural Electrification program, the Tennessee Valley Authority program, Farm Credit, and others. In addition, special programs, which involve the organization of agricultural resources, and other emergency programs of this nature are organized and conducted by the Extension Service.

LIVESTOCK SANITARY WORK

The function of the Livestock Sanitary Department is to assist livestock owners in the control and eradication of contagious, infectious and communicable diseases of livestock and poultry. When requested, investigations are made, and when necessary, assistance is rendered in the treating of livestock. Advice is also given for the control and eradication of diseases. In cooperation with the Federal Government and other States, this department maintains quarantine measures to prevent, so far as possible, the introduction of diseased livestock into the State.

This department of the College maintains a fully equipped laboratory in Columbia for the purpose of assisting veterinarians and owners of livestock and poultry in making diagnoses which cannot always be made in the field.

While the main office of this department is in Columbia, Assistant State Veterinarians are located in various sections of the State where their services may be obtained on short notice upon request.

In addition to the regular force of veterinarians directly connected with the Columbia office, practicing veterinarians are commissioned as Deputy State Veterinarians and assist in the control and eradication of contagious and infectious diseases of livestock. At present there are seventy-nine veterinarians so commissioned, and their locations are such that the Clemson College Livestock Sanitary Department is in position to render prompt service to livestock owners in all sections of the State.

The Clemson College Livestock Sanitary Department is fully equipped with large stocks of all classes of veterinary biologics for the control and eradication of contagious and infectious diseases of livestock. These products are used by our veterinarians in assisting with the control of contagious and infectious diseases and the owner pays for them on a cost basis.

This department is required by legislative enactment and supported by legislative appropriation.

CONTROL OF CROP PESTS AND DISEASES

The work of eradicating or preventing the introduction, spread or dissemination of any injurious insects and plant diseases is carried on under the direction of the State Crop Pest Commission. The State Entomologist and the State Pathologist have charge of this work under the commission.

The work of these officers consists in the control of contagious plant diseases and insect pests. Supervision of all nursery stock sold within the State is a duty of the Crop Pest Commission.

A permit tag issued by the State Crop Pest Commission should be attached to every package of nursery stock, seed, or plants offered for sale or shipment for planting purposes.

THE ENGINEERING EXPERIMENT STATION

The Engineering Experiment Station of the Clemson Agricultural College was established by the Board of Trustees in July, 1924. Its purpose is to aid the present industries in the State to do research work on the material resources of the State with a view of leading to the establishment of new industries, to study methods of utilizing waste products, etc.

In addition to serving the industries of the State and helping to solve engineering problems for the agricultural interests, it is hoped, in cooperation with the stations of other states, to add to the store of scientific and engineering knowledge. The staff consists of well-trained men from the various schools and departments of the College. The laboratories of the several departments of engineering, as well as others, are available for the use of the station in its investigation.

During the war period the Engineering Experiment Station undertook worthwhile projects in cooperation with the War Production Board. Emphasis is now being placed upon special research in ceramics.

ITINERANT TEACHER TRAINING IN VOCATIONAL EDUCATION

The College in cooperation with the State Department of Education is glad to assist those who teach vocational subjects in day trade schools and evening trade and industrial classes by supplying a trained man to assist in the work of organizing classes, organizing courses of study, making plans for teaching evening classes, and actually teaching vocational subjects. Requests for information regarding this service should be addressed to Mr. L. R. Booker, State Teacher Trainer in Industrial Education, Clemson, South Carolina.

The members of the staff of Agricultural Education visit all beginning teachers for the purpose of assisting them on the job and also for the purpose of collecting information which may

prove helpful in improving the work of teacher training at the College. In addition, conferences of teachers are held and consulting services made available in the interest of the professional growth of agricultural teachers, the rendering of service to agricultural communities, and the development of leadership among agricultural youth through the program of the Future Farmers of America.

SHORT COURSES AND CONFERENCES

The facilities of the College are made available for special meetings, such as farm groups, rural ministers, religious organizations, and scientific societies; and arrangements are made for special short courses in poultry, beekeeping, food preservation, cotton classing, water supply and sanitation, etc. Such activities, undertaken in the interest of the general welfare, are encouraged by the College.

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART VII

Student Register

1949-1950

GRADUATES OF 1949

BACHELORS' DEGREES CONFERRED JANUARY 29, 1949

SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

John Frederick Alexander, Sr. _____	Anderson	James Duffie Duncan, Jr. _____	Loris
Charles Pruette Blankenship, Jr. _____	Fort Mill	John Robert Shillinglaw _____	Sharon
		Kenneth Edwin Stuck _____	Pomaria

Agriculture—Agronomy Major

Gilbert Anthony Allen, Jr. _____	Franklin, Tenn.	*Walter Henry Jenkins _____	Kline
Richard Lucas Baird _____	Darlington	*Steve Lund _____	Exeland, Wis.
Eudell Max Caldwell _____	Spartanburg	Joseph Frederick Mason _____	Westminster
William Luther Haltiwanger _____	Little Mountain	Julian Guess Reames _____	Bishopville
John Percy Jackson _____	Sumter	Luther Bryant Shelley _____	Mullins
Lewis Wesley James _____	Anderson	Marion Wilmouth Sullivan _____	Laurens
		Smith Worley, Jr. _____	Windsor

Agriculture—Animal Husbandry Major

William DuPree Atkinson _____	Mullins	Norman Wheeler Patterson _____	Saluda
Mavis Eaddy Cagle _____	Andrews	Horace C. Pepper _____	Easley
*Johnston Lee Crapse _____	Estill	Nathan Ray Sites _____	White Rock
John Grier Dinkins, Jr. _____	Manning	James Allen Smith _____	Mullins
Ira Madison Estridge _____	Lancaster	Gallman Stuckey _____	Bishopville
Laurens Wilson Floyd _____	Manning	Wilson Carlisle White, Jr. _____	Chester
William Wylie Gaston, III _____	Richburg	John Frederick Wise _____	McCormick
James Whitfield Gilliam, Jr. _____	Abbeville	James Everett Yonce, Jr. _____	Johnston
Soloman Legare Hay, Jr. _____	Johns Island		

Agriculture—Dairy Major

James Everett Pettigrew _____	Iva	Walter Allen Smithwick _____	Chester
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Agriculture—Horticulture Major

George Evans Huiet, Jr. _____	Trenton	*John Henderson Rodgers _____	Charleston
James Fay Lyles _____	Winnsboro	David Clyde Settle _____	Inman
James Suddath Paget, Jr. _____	Greer		

Agricultural Engineering

Grover Watson Brown, Jr. _____	Hickory Grove	Joseph Wynans McCown _____	Dalzell
Paul Matthew Garvin, Jr. _____	Greenwood	Charles Mann McMillan, Jr. _____	Mullins
Joseph Mason Gaston _____	Duncan	Warren Drummond Pearson _____	Woodruff
Robert Edward Hanvey _____	McCormick	Charles Edward Severance _____	Darlington
Mark Hafner Kirkpatrick, Jr. _____	Clio	Hugh Monroe White _____	Charlotte, N. C.

SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

*David Houser Banks, Jr. _____	St. Matthews	Jones Thomas Hunter, Jr. _____	Marion
Theo Everett Boliver _____	Columbia	Steve Andrew Ivey _____	Downers Grove, Ill.
James Marion Brown _____	Mountain Rest	John Wesley Langford, Jr. _____	Ridgeland
Joe Alexander Dalton _____	Seneca	Walter Marion Patrick, Jr. _____	Ruffin
Raymond Evans Davenport, Jr. _____	Williamston	Wendell Hugh Thomas _____	Greenville
James Morrow Hemminger, Jr. _____	Willington	*William Andrew Wood _____	Greenwood

General Science

Alfred Cary Cox _____	Dawson, Ga.
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Industrial Physics

*Leon Haynsworth Robinson, Jr. _____	Greenville
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Pre-Medicine

James Earle Barnett _____	Marietta	Julius Ray Ivester _____	Walhalla
Leo Edwin Kirven, Jr. _____	Pinewood		

* With honor

SCHOOL OF CHEMISTRY

*Bachelor of Science Degree
Chemistry*

Hampton Massey Smith ----- Rock Hill

SCHOOL OF ENGINEERING

*Bachelor of Science Degree
Architectural Engineering*Baxter Lindsay Crawford ----- Chester Robert Avery Kilgo ----- Laurens
Thomas Dudley Stewart ----- Greenville*Architecture*John Nicoll Cooper -----
----- Washingtonville, N. Y.
Robert Elijah Farmer ----- Anderson
Powell Brooke Harrison, Jr. -----
----- St. Matthews
John Walter Inabinet, Jr. ----- Bowman
Kenneth Bruno Koehler -- Louisville, Ky.
Joseph Alison Lee ----- Greenwood
James Monroe Meares ----- Nichols
Robert Walter Nicholson -- Orangeburg
John William Thompson ----- Williston*Bachelor of Civil Engineering Degree**John Harold Adams ----- Greenville Tom Arnall Martin ----- Griffin, Ga.
Albert Clay Bruce ----- Seneca Ernest William Merck ----- Central
Victor Baber Caldwell ----- Blacksburg James Donald Rivers ----- Chesterfield
Richard Dula Campbell ----- Spartanburg John Adams Rollison, Jr. -- Waycross, Ga.
Dumond Foster Chalker ----- Henry Denning Salter, Jr. -- Walterboro
----- South Orange, N. J. Earle Pitman Seay ----- Moncks Corner
Albert Jackson Coleman, Jr. ---- Saluda Lawrence Donald Sherer, Jr. -- Greenville
*Stratton Aleck Demosthenes -- Beaufort Alan Matthew Tewkesbury, III -- Aiken
Daniel Harley Gaulden, Jr. ---- Rock Hill James Kenneth Timmons ----- Piedmont
Dallas Clifford Jones, Jr. ----- Barnwell*Bachelor of Electrical Engineering Degree***Walter Lee Ball ----- Laurens John Marvin Hutchings, Jr. -----
----- Norwood, Ohio
Easley Bruce Barton ----- Winnsboro Joseph Alvin Mahaffey ----- Lancaster
John Arthur Cappeller, Jr. -- Chicago, Ill. *Benjamin Rudolph Neely, Jr. -- Rock Hill
*Fred John Cappellmann, Jr. -- Beaufort Jack Ezell Ouzts ----- Callison
Arthur James Carraway -- Timmonsville Bryan Jaudon Perry, Jr. ---- Ridgeland
*Virgil Waddell Cauthen ----- Greenville Roy Markus Rochester ----- Walhalla
Wayne Henry Chapman ----- Piedmont William Frank Rochester ----- Walhalla
Virgil Gentry Davis ----- Greenville Edmund Phillip Simpson ----- Greenville
Sidney Bryan Geddings, Jr. -- Wedgefield Hugh Charles Smith ----- Oakland, Calif.
*Christopher Columbus Hindman, III ----- George Cullen Wright ----- Anderson
----- Greenville

James Edwin Hunter, III ----- Columbia

*Bachelor of Mechanical Engineering Degree*Carl Edward Buck, Jr. ----- Greenville Joseph Robert Mackay ----- Orangeburg
James William Cooper ----- Spartanburg Rufus Michael Monts, III -----
----- Sandersville, Ga.
Clyde Duncan Cox ----- Walhalla Richard Eston Norwood ----- Greenwood
*Archie Shaw Dargan, Jr. -- Darlington Marion Venson Poole ----- Ware Shoals
Stephen Paxson Darlington, III ----- William McGinn Porter, Jr. -----
----- Mt. Pleasant ----- Charlotte, N. C.
Harry Love Dunlap, Jr. ----- Rock Hill William Fishburne Ravenel, Jr. -----
----- Sanford, Fla.
Douglas Carson Edwards ----- Fountain Inn Ryan Bruce Salley ----- Orangeburg
Mark Day Harris, Jr. -- La Grange, Ga. Daniel Sosa, Jr. ----- San Juan, P. R.
Harlan Harold Herber ----- Bethlehem, Pa. Walton Murph Stephens, Jr. -- Abbeville
Wesley Glenn Holcombe ----- Greenville Joseph Augustus Tolbert, Jr. -- Greenville
Charles Hardy Ingram ----- Hartsville William Franklin Wannamaker -----
Albert Broadus Kitchen, Jr. ----- ----- Columbia
----- Augusta, Ga. William Earl West ----- Greenville
Elias Sam Latto ----- Charleston
Thomas Jennings Long ----- McColl

SCHOOL OF TEXTILES

*Bachelor of Science Degree
Textile Chemistry**James Leslie Heaton ----- Anderson George Marks Moisson, Jr. ---- Greenville
Joe Ernst Spearman ----- Chattanooga, Tenn.

* With honor

** With high honor

Textile Engineering

George Herman Ashley	Ware Shoals	Leo Fisher	Belton
Carroll Smith Barnwell	Macon, Ga.	Robert Franklin Hawthorne	Due West
Leonard Furr Dixon	Greenville	Harold Richard Hoke	Newton, N. C.

Textile Manufacturing

William Earl Ashley	Donalds	Robert Heyward Hammett	Newberry
John B. Black	Honea Path	Frank William IX, III	
Frederick Townsel Coker, Jr.	Columbia		Charlottesville, Va.
Ernest Lewis Davis	Pelzer	James Ralph Johnson	Greenville
Winfred Page Enloe, Jr.	Roanoke, Ala.	Furman McCravy League	Easley
Steven Epps	Fort Mill	Charles Robison, Jr.	Enka, N. C.
George Richard Erkes	Rock Hill	Eddie Watson Seigler, Jr.	Greenwood
Lucius Eubanks, Jr.	Graniteville	Richard C. Self, Jr.	Greenville
Hugh Bradley Foster	Spartanburg	Harris Eugene Thompson	Honea Path
*Winford Huiell Frick	Newberry	Archie Thomas Wilbanks	Laurens
William Perry Gill, Jr.	Rock Hill		

SCHOOL OF VOCATIONAL EDUCATION

*Bachelor of Science Degree**Vocational Agricultural Education*

Purvis Hobson Bedenbaugh, Jr.	Leesville	James Robert Miller	Erwin, Tenn.
Carroll Newsom Gullledge	Mt. Croghan	Harold Radcliffe Pate	Cassatt
Claude Ervin Langston	Timmons ville	John Wallace Pettigrew	Edgefield
Luther Legree Lewis	Leesville	Leonard Darrell Reynolds	Timmons ville
Robert Harold Mason	Pacolet Mills	Wendell Reed Sease	Titusville, Fla.
Ted Caston Melton, Jr.	Chesterfield	Ivy Smith, Jr.	Pickens

Industrial Education

Paul Daniel Hull	Westminster	Lewis Vernell Morgan	Albemarle, N. C.
Victor Garnett McDaniel	Bennettsville	Paul Tewkesbury	Aiken

BACHELORS' DEGREES CONFERRED JUNE 5, 1949

SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

William Hewitt Cox	Latta	Thomas Eugene Lytle	Anderson
Clyas Lee Crenshaw	Pendleton	Frank Seddon	Boston, Mass.

Agriculture—Agronomy Major

Luther Perdee Anderson	Nichols	Homer Robuck Montgomery	Woodruff
Joseph Ashley, Jr.	Ellenton	James Hargrove Montgomery, Jr.	
Harry Jetton Cherry	Charlotte, N. C.		Gable
George Pringle Copeland	Clinton	Robert Russell Montgomery, Jr.	
Fielding Lewis Foreman	Ellenton		Woodruff
Wallace Otto Hardee	Greelyville	Dewey Elbert Sims	Lynchburg
John Thomas Johnson, Jr.	Lynchburg	Lewis Bernard Smith	Mullins
John Wilson Laney, Jr.	Bennettsville	Harvey Wilson Tiller, Jr.	Mayesville
Alexander Meldeau Lofton		Joe Luke White	McCormick
	McClellanville	J. Frank Williams	Dacusville

Agriculture—Animal Husbandry Major

William Lewis Brown	York	Daniel Bruce Plyler	Monroe, N. C.
Harris Bradford Craig	Liberty	Joseph Leslie Powell	Hartsville
Harry Falls, Jr.	Asheville, N. C.	George William Rauton, Jr.	Johnston
Charles Edwin Freeman	Liberty	Welton Lanier Shealy	Gilbert
William Clark Grant	Andrews	William Harold Starnes	Salley
*John Morgan Gullledge	Callison	Osborne Laval Wallace	Dillon
Larry Maynard Haigler	Cameron		

Agriculture—Dairy Major

*Ernest Lee Corley, Jr.	Saluda	Sam Evans McGregor	Lykesland
Graham Edward Hawkins, Jr.		**William McKay	Hendersonville, N. C.
	Greenwood	Carroll Spivey Rowell	Andrews
Ernest Wilton Lee	Landrum	Henry Harrison Whitaker	Clinton

Agriculture—Entomology Major

Julian Eugene Keil	Naval Base
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* With honor

** With high honor

Agriculture—Horticulture Major

James Henry Aichele	Charleston	Glenn Fred Elmore	Greer
James Cox Bishop	Frogmore	Arthur Herbert Lachicotte, Jr.	
Carroll Livingston Brown	Anderson		Fawleys Island
Jack McKenzie Clegg	Ridgeland	Henry Arnold Smith	Greenville
James Henry Crawford, Sr.	Clemson		

Agriculture—Poultry Major

John Raymond West	Spartanburg
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Agricultural Engineering

Clyde Robert Allen	Latta	Herman Pinkney Lynn	Clemson
Ralph Bell, Jr.	Hartsville	Bennie Mays Mayson, Jr.	Clemson
Henry Neyle Black	Ruffin	William Manly Norris	Vance
James Porter Bull	Santee	John Chapman Pinckney	Pritchardville
Frank Lockwood FitzSimons, Jr.		Billy Gordon Rogers	Lake View
.....	Hendersonville, N. C.	Simon Tyler Russell	Jamestown
Philip Emanuel Gervais	Johns Island	Robert Wilson Sanders	Kline
Winston Yuvawn Godwin	Summerton	Ray Virgene Segars, Jr.	Oswego
Joseph Milton Hammett	Gaffney	**Absalom West Snell	Ellorece
John Farris Hicks	York	Thornwell Forrest Sowell, Jr.	
David Mattison Jameson	Honea Path		Chesterfield
Silas Johnstone Klettner, Jr.		Robert Callaham Uldrick	Donalds
.....	Hartsville		

SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

George Thomas Barnes ..	Savannah, Ga.	*Franklin Gasque Mason	Mullins
Newton Craig Brackett, Jr.	Pickens	Richard Thompson Mattison	Aiken
Marshall Bright, Jr.	Lyman	William Henry Moore	Sandy Springs
Huddleston York Burdette	Charleston	Julian Hamaden Morgan, Jr.	
Dickson Lewis Craig	Greenville		Spencer, N. C.
John William Crisanti	Manasquan, N. J.	*Earle Elias Morris, Jr.	Pickens
**George Cochran Fant, Jr.	Anderson	Philip Hunter Prince	Erwin, Tenn.
John Perry Garrett, Jr.	Greenville	Carl Samuel Pulkinen	Charleston
Joe Dean Gault	Blacksburg	James William Ragsdale	Blairs
Talmadge De Witt Gault, Jr.	Gaffney	William Wyman Richbourg	Union
James Ted Gregory	Union	Walter Bair Salley	Orangeburg
James Gay Hickerson	Greensboro, N. C.	James Joseph Simpson	Anderson
William Bernard Humphries	Gaffney	Myron Alexander Smithwick	Chester
Giles Floyd Lewis, Jr.	Orlando, Fla.	William Riley Swearingen	Greenwood
Thomas Brogdon Love	Alcolu	William Carver Talbert, Jr.	Columbia
Matthew Daniel Lyon, Jr.	Johnston	Henry Tecklenburg, Jr.	Charleston
William Lewis McDowell, Jr.	Chester	Robert Olin Watson	Blaney
David Delmus McRae, Jr.	Florence	Robert Franklin Wiggins	Mullins
Robert Alexander Martin	Fort Mill		

General Science

Donn Bryson Euwer	Greenville
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Industrial Physics

Lawrence Gignilliat Adams	Seneca	Tommy French McCraw	Gaffney
David Isaac Buchman	New York, N. Y.	George Frank Norris, Jr.	Duncan
Harry Sanborn Corey, III			
.....	Asheville, N. C.		

Pre-Medicine

Raymond Edward Ackerman		Allen Parrott Jeter	Rock Hill
.....	Moncks Corner	Paul Alvin Nelson, Jr.	Fountain Inn
Daniel Carlyle Baxley	Kershaw	James Monroe Parker	Charleston
**Joseph Norman Berry	Dunwoody, Ga.	Samuel Lee Perry, Jr.	Clemson
William Randolph Chapman	Inman	Marvin Chapple Rash	Lockhart
*William Forney Dukes	Branchville	Allmand McKoy Rose, Jr.	Marion
Julius Richard Earle	Walhalla	Daggett Orman Royals	Conway
David Augustus Foster	Greenwood	*Claude Christopher Sartor	Sharon, Pa.
David Lawrence Goldsmith	Greenville	William Brien Ward, Jr.	Rock Hill
William Jefferies Goudelock, Jr.			
.....	Cateechee		

* With honor

** With high honor

SCHOOL OF CHEMISTRY
Bachelor of Science Degree

Chemistry

Edward Wallace Black	Barnwell	Marion Boulware Sample	Greenwood
*Crayton McCants Crawford	Greenville	David Ray Spiner	Tampa, Fla.
Charles Archer Dodson	Greenville	Charles Neal Still	Greenwood
Thomas Whitfield Dunaway, Jr.		William Byrd Tarver	Savannah, Ga.
	Thomaston, Ga.	Ralph French Whall	San Juan, P. R.
Burton Henry Gerritsen	Paterson, N. J.	George Treacy Womack	Cheraw
John Lester Ridgeway	Laurens		

SCHOOL OF ENGINEERING
Bachelor of Science Degree

Architectural Engineering

James Allen Hunnicutt, Jr.	Greenville	*Clyde King Warner, Jr.	Louisville, Ky.
Willie Earl Massey, Jr.	Greenville	*Avery Wayman Wood, Jr.	Greenville

Architecture

Eldred Mattatha Brunson, Jr.	Estill	Aaron Adger Rice	Anderson
**Phelps Herbert Bultman	Sumter	Thomas Carlisle Rickenbaker	
John Richard Coney	Columbia		St. Matthews
James Elijah Cothran, Jr.	Inman	Harold Joseph Riddle	Laurens
William McDow Cureton	Union	Milton Hardee Richard Sadler	Rock Hill
Albert Reese Fant	Anderson	Bond Robert Sedberry, Jr.	Hartsville
Charles William Fant, Jr.	Anderson	John Knox Stacy	Savannah, Ga.
Rupert Badger Gasque, Jr.	Marion	Robert Tegid Thomas, Jr.	
James Richard Gray	Anderson		Glen Ridge, N. J.
Frank Dantzler Hemphill	Columbia	Joseph Peter Wilk	
Harold Brannon Leonard	Columbia		East Port Chester, Conn.
Vernon Edward Lewis	Spartanburg		

Bachelor of Chemical Engineering Degree

John Julian Banks	Augusta, Ga.	Edgar Henry Pittman, Jr.	Bishopville
Earle Pardee Bisher	Kingston, Pa.	Paul Jackson Province	
Dewitt O. Blanchett	Greenville		Chattanooga, Tenn.
Mack Monroe Earnhardt		Russell Blake Waddell, Jr.	
	Kannapolis, N. C.		Charlotte, N. C.
William Innis Fox	Anderson	Ralph French Whall	San Juan, P. R.
Clyde Maxwell Guest, Jr.	Greenville	*William Henry Wingate, Jr.	
Walter Clyde Herron, Jr.	Anderson		Fairhaven, Mass.
*David Rene Parish	Dillon		

Bachelor of Civil Engineering Degree

John Paschal Ashmore, Jr.	Greenville	Roy Franklin Lanford	Spartanburg
Edward Robert Banks	Savannah, Ga.	Gordon Stuart Leslie	Newberry
William Frank Bolt	Anderson	Jack Sicheloff Liles	Charlotte, N. C.
John Clayton Boyles	Savannah, Ga.	Billy Jones McCoy	Greenville
John Calhoun Caldwell, Jr.		James Palmer Mallard, Jr.	Sumter
	Charlotte, N. C.	Lee Charles Page	Asheville, N. C.
Robert Morris Clayton	Pickens	Harry Middleton Parker	Sumter
Thomas Ashley Cockfield	Seranton	David Charles Perrell	
Jessie Thomas Cox	Greenwood		Winston-Salem, N. C.
Leslie Ray Davis	Chicago, Ill.	James Talmadge Price	Starr
Dick Ware Denton, Jr.	Decatur, Ga.	Robert Joseph Rauch	Rock Hill
Wallace Parrott DesChamps		*Bennie Fladger Richbourg, Jr.	
	Bishopville		Summerton
William N. DeVore	Ninety Six	Joseph Miles Robinson, Jr.	Rembert
*Wilton Eskridge	Cheraw	Jack Alfred Sandel	Greenville
Joseph Andrew Farmer, Jr.	Anderson	Augustus Waite Shoolbred, Jr.	
Phil Reese Floyd	Greenville		Columbia
Edwin Armistead Freeman	Clemson	David Norris Simpson	Anderson
Charles Vernon Godwin	Sumter	Lewis Marcum Townsend	
Jesse Stribling Goodman, Jr.	Clemson		Pisgah Forest, N. C.
Robert Bunting Hand	Florence	Carl Oliver Ulmer	Ellore
Ernest Alexander Hanvey	McCormick	William Andrew Ward	Darlington
Francis Gerald Harper	Anderson	Charles Webb	Beaufort
John Manning Harper, Jr.	Greenville	William Frazier Wilson	
Eugene Gordon Hay	Charleston		Greensboro, N. C.
Arthur Boyd Johnson, Jr.	Spartanburg	Marion Madison Wood	Greer
Roger Gentry Kivett	Greenville	Robert Harper Yeargin	Gray Court
Lester Phillips Landgraf		John Tatum Zeigler, Jr.	Orangeburg
	Panama City, Fla.		

* With honor

** With high honor

Bachelor of Electrical Engineering Degree

James Kyle Addison	Cottageville	John Martin Johnston	Greenville
Clyde Elliott Bagwell	Spartanburg	Oliver Boyce Jones	Greenville
Billy Dan Bailey	Heath Springs	*Marvin Fowler Keeney, Jr.	Spartanburg
Oscar Heyward Bellamy, Jr.	Florence	James Anderson Kinard	Fairfax
*John Cecil Berly, Jr.	Pomaria	John Zimmerman Lowe	Spartanburg
*John Broadus Berry, Jr.	Dunwoody, Ga.	Daniel Brady McKay, Jr.	Winnsboro
Bryce Carlyle Bishop	Greenwood	**Hugh Ellison McKinney	Greenville
William Gordon Bodie	Wagener	*George Peter Mandanis	Spartanburg
Ernest Louis Bonnoitt	Florence	Joe William Moore	Sumter
James Edward Bouknight	Newberry	Walter Dennis Owings	Greenwood
Wallace Bland Britton	Columbia	Robert Tarrant Payne	Charlotte, N. C.
Columbus Durant Capelle	Clemson	Loye Harvey Powell	Washington, D. C.
Cecil Wesley Carroll	Naval Base	Raymond Griffin Richardson, Jr.	Florence
John Fletcher Covington	Clio	James Harold Robinson	Greenville
John Craig Cranston	Augusta, Ga.	Beverly Bruce Ross	Greer
Daniel Elden Cross	Jamestown, N. Y.	Coit Wilson Ross	Houston, Texas
Lewis Murchison Dibble	Orangeburg	John Havers Scott, Jr.	Pritchard, Ala.
William Ebbie Farris	Rock Hill	James Clifton Senn	Spartanburg
Frank Irvin Gillespie	Beckley, W. Va.	*Joe Holland Sipple, Jr.	Columbia
William Coyle Ginter, Jr.	Charlotte, N. C.	James Douglas Smith, Jr.	Union
William Thomas Goodwin	Spartanburg	Charles Edward Stone, Jr.	Columbia
James Walton Gordon	Willard, Ohio	Forrest Henry Thieker, Jr.	Georgetown
Clarence Smith Gramling	Orangeburg	Hoyle T. Thompson, Jr.	Columbia
Rollie Gatlin Hanna, Jr.	Bennettsville	Jack Douglas Thompson	Greenville
James Napoleon Heape, Jr.	Naval Base	James Thomas Turner	Winnsboro
John Louie Hendrix	Anderson	Eddie Milton Vaughn, Jr.	Greenwood
James Tally Hill	Timmons ville	Hugh Swinton Wayne, Jr.	Charleston
William Ford Howell, Jr.	Lancaster	Warren Fletcher West, Jr.	Spartanburg
Warren Ingram Jeffords	Forence	Leon Paul Williams, Jr.	North Augusta
Donald Macbeth Jenkins	Union		
Alvin Hughey Jester, Jr.	Greenwood		

Bachelor of Mechanical Engineering Degree

William Nelson Ackerman	Moncks Corner	John Edgar Lockman	Spartanburg
John Nash Austin	Laurens	Henry Eugene Lollis	Taylors
Frank Ewing Beaty, Jr.	Charleston	Richard Alan McGinty	Clemson
William Barron Boyd	Greenville	Jerry William Merritt	Greenville
Bevan Wood Brown, Jr.	Starr	James Bethel Orders, Jr.	Greenville
John Clyde Champion, Jr.	Shelby, N. C.	George Stewart Pardue	Aiken
Elliott David Cohen	Charleston	Francis Sayers Riley	Hilton Village, Va.
James Milton Collins	Greenville	William Harold Scurry	Edgefield
John Marshall Crawford	Spartanburg	Dickey Ryland Shelor	Greenville
Albert Allen Dalton, Jr.	Seneca	William Martin Sheridan	Spartanburg
Walter Lewis Davis	Easley	Michael Willis Simpson	Williamston
**Alvon Creighton Elrod	Walhalla	*Roy Edwin Smith	Greenville
**William Corbin Elrod	Walhalla	David Coleman Sojourner	St. George
*Robert Alston Few	Greer	James Allen Stanley, Jr.	Sumter
William Williams Foard	Marion	Hale Caterson Sweeny	Anderson
William Arthur Gaines, Jr.	Central	Harold Barrett Swygert, Jr.	Greenville
Warren Ray Gibson	Taylors	Garris Archibald Thompson, Jr.	Sumter
Wallace Reinhardt Irwin	Spartanburg	Arthur Vernon Vickery	Hartwell, Ga.
Edward Micah Jenkins, Jr.	Osborn	Norman Paul Wagner	Newark, N. J.
Ray Allison Johnson	Pelzer	Thomas James Weeks, Jr.	Charleston
Lawton Lipscomb Johnston	Graniteville	Charles Dean Willard	Whitmire
William Herman Lake	Walhalla	James Charles Wood	Chester
Linwood Hayne Lamar, Jr.	Augusta, Ga.	**William Harold Wood	Gray Court

SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Chemistry*

Luther William Armstrong	Charleston	Harold Bertram Hatfield, Jr.	Sumter
Charles Morrison Barrett	Lancaster	Bennett Mack Keasler	Westminster
*Joseph Patrick Clancy	Lancaster	Clinton Ward Riser	Columbia
Clinton Albert Dyer	Charleston	*Douglas Kay Seaborn	Walhalla
Avery Falls Garrison, Jr.	Hartwell, Ga.	Erwin Collins Thornton	Spartanburg
		Jerome Wilson, Jr.	Anderson

- With honor
- ** With high honor
- *** With highest honor

Textile Engineering

Robert Singleton Bonds	Georgetown	John Perrin Harrison	Troy
Harry Weston Chappell, Jr.	Cartersville, Ga.	William Dallas Le Grand	Greenville
*Jim Reichart Conn	Woodruff	James Dallas May	Ware Shoals
Edwards Jennings Corley	Ninety Six	Paul Cranford Mickle	Rock Hill
Mason Hardin Dorsey	Chester	John Paul Norton	Easley
Harry Utley Earle, Jr.	Walhalla	Paul Belton Skinner	Ware Shoals
Carroll Blake Gambrell, Jr.		Leo Othello Todd	Fairfax
	Birmingham, Ala.	Arthur Eugene West	Greenville

Textile Manufacturing

Marion Hugh Anderson	Greenville	Emory Jamieson Hollis	Chester
Wendell Milford Ashley	Anderson	Neely McFadden Hollis	Rock Hill
Paul Edward Baker	Whitmire	Bennett Easterlin Hudson	Greenville
William Edward Barnes	Newberry	James Ray Inabinet	St. Matthews
Emery Bates, Jr.	Rock Hill	James Copeland Jacobs	Greenville
Ray Asbury Bolick	Hickory, N. C.	Z. K. Kelly, Jr.	Pelzer
Francis Alvin Bosdell	Greenwood	Harry Rycken Kennedy	
Robert Edward Boylston	Sumter		Black Mountain, N. C.
Jack Andrews Bradford	Anderson	William Fent Latham	Anderson
Jack Tyson Brawley	Chester	Percy James Leach, III	Abbeville
Edwin Thompson Broadwell, Jr.		Ernest Johnston Long	Gaffney
	Sumter	James Lloyd Lucas, Jr.	Lancaster
William Merrill Brown	Greenville	Marion Franklin McAlister	Abbeville
Frank Barron Cameron	Greenville	Leo William McClain	Donalds
Marvin Payne Cannon, Jr.	Greenville	Duncan Craig McIntyre	Marion
Lewis Anderson Carson	Orangeburg	*William Ernest McSwain	York
Joseph William Chalmers	Greenwood	Samuel John Martin, Jr.	Atlanta, Ga.
Robert Joseph Cheatham, Jr.		**Harry Malone Miller	Chester
	New Orleans, La.	Jimmy Holland Moore	Spartanburg
William Jeff Childers	York	Jack Jefferson Nipper	Lowell, N. C.
John Frank Clark	Walhalla	Van Cleveland Oxner, Jr.	Kinards
William Alfred Cobb	Pelzer	Maxey Brooks Patterson	Laurens
Luther Peniston Corley	Harrison, N. Y.	Clarence Lee Pickens	Anderson
David Earl Cowan	Abbeville	Leland O. Puckett, Jr.	Charlotte, N. C.
Isaac Langston Donkle, Jr.	Greenville	Robert John Rice	Anderson
Francis Clarence Dusenberry	Due West	Francis Miller Richardson	Greenville
Douglas Fitchett Elms	Fort Mill	Richard Edmond Robinson	Greer
Mack Cely Elrod	Piedmont	Averit Ellison Saylor	Ninety Six
Arthur Malcolm Erwin	Abbeville	Robert Ware Sistrunk, Jr.	Decatur, Ga.
Paul Franklin Foster	Woodruff	Lee Stanley Smith	Clemson
William Townes Fraser, Jr.	Greenville	John Rayford Snipes	Greenville
*Julian Erwin Gardner	Joanna	Erston Gartrell Sparks	Gaffney
Joseph Leslie Garrett, Jr.	Greenville	James Dewey Stone	Rock Hill
*Floyd Frederick Griffin, Jr.	Greenville	Jesse Lee Stroman, Jr.	Orangeburg
George William Griggs	Society Hill	Raymond Estil Townsend	Laurens
Carroll Johnson Haddon	Abbeville	Loftin Conley Trueblood	Asheville, N. C.
Thomas Lee Hair, Jr.	Anderson	George Ellis Uldrick	Donalds
Quincy Stanford Halliday, Jr.		Leonard Ralfe Volk	
	Spartanburg		Far Rockaway, N. Y.
William Lucas Harrington, Jr.		Eugene Clifton Wald	Seneca
	Greenville	Arthur Gerard Ward	Greenville
James Harvey Harrold	Pacolet Mills	Fred James Weir, Jr.	Newberry
Leon Otto Herd	Greenville	*Paul Jennings White	Greenville

SCHOOL OF VOCATIONAL EDUCATION

*Bachelor of Science Degree**Education*

Larry Welborn White ----- Easley

- * With honor
- ** With high honor

Industrial Education

Charles Americus Bianchi, Jr.	Blythewood	Gene Shute Flynn	Lancaster
Warren Robert Cathcart, Jr.	Spartanburg	Carroll Emil Gainer	Lancaster
		Elijah Miles Moss	Seneca
		Charles Jarrell Weeks ..	North Augusta

Vocational Agricultural Education

James Wendell Ard	Hemingway	Toy Andrew Hyder, Jr.	Campobello
Douglas Arnold Barfield	Kershaw	Joseph Clyburn Jackson	Camden
Carl Dewel Boggs	Seneca	Nevon Fouché Jeffcoat	Swansea
James Elbert Clardy	Wampee	*Donald Lee Johnson	Windsor
Jack Percy Corn	Greenville	William Calhoun Johnson	Edgefield
James Dodd Daniel, II	Lake City	Raymond Saxby Joyner	Ward
Bailey Milton Faile	Kershaw	Alvin Laverne Lindler	Chapin
Luther Junior Fields	Lydia	Bobbie William Mitchum	Smoaks
John Walter Fletcher	McColl	Joe Edd Murphree	Walhalla
Randall Robert Foster	Chesnee	Henry Daniel Parkman	Saluda
Arthur Laymond Goff	Saluda	John Portman Pickens	Madison
William McDonald Goodman	Olanda	**Elisha Monroe Rallings	Pageland
Roy Lee Graham, Jr.	Seneca	Carey Lee Sellers	Mt. Croghan
William Harry Graham	Anderson	Gerald Gilmore Truesdale	Kershaw
*Frank Matthew Hart	Union	John Thomas Walker, Jr.	Manning
Ed Hucks, Jr.	Aynor	Raydell Ralph Williams	Swansea

MASTERS' DEGREES CONFERRED JUNE 5, 1949

SCHOOL OF AGRICULTURE

*Master of Science Degree**Agricultural Economics*

Lehman M. Bauknight, Jr.	Easley
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Agronomy

Bruce Dayvault Cloaninger	Clemson
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SCHOOL OF ENGINEERING

Master of Mechanical Engineering Degree

Clarence Rollins Jones, Jr.	Ashton
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BACHELORS' DEGREES CONFERRED AUGUST 19, 1949

SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

Earle LaBruce Knight	Andrews
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Agriculture—Agronomy Major

James Walter Dobson, Jr.	Central	Hiram Franklin Meadows	Woodruff
Robert Hastings Holley	Aiken	Nathan Robert Salley	Salley

Agriculture—Animal Husbandry Major

John Lloyd Adair, Jr.	Clinton	Jerome Madison Gramling	Orangeburg
*Ira Jones Adams	Kershaw	George Pitt Lachicotte ..	Pawleys Island
Franklin La Fayette Cox	Mayfield, Ga.	Joseph Walter Mahaffee, Jr.	Gaffney
Jack Leonard Price			

Agriculture—Dairy Major

Albert Thomas Gilpin	Chester	Jack Childers Hart	Greenville
Thomas Hobbs Rainsford			Edgefield

Agriculture—Horticulture Major

John Wylie Ross	Greer	G. H. Taylor	Gilbert
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Agriculture—Poultry Major

Charles Pack Willimon	Greenville
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Agricultural Engineering

Lacy Leanneau Edwards, Jr.	Marion	Joe Major Pruitt, Jr.	Anderson
Lanier Stokes Livingston	North	Charles Wilburn Wilson	Landrum

* With honor

** With high honor

SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

Leland Richard Cannon	Anderson	Robin Allyn Julien	Greenwood
James Henry Carter, Jr.	Georgetown	David Longley Peebles ...	Hampton, Va.
Oscar Fred Danner, Jr.	Jonesville	Preston Sanders Shealy	Batesburg
*Thomas Daniel Donegan	New York, N. Y.	Paul Hamilton Sloan	Anderson
Julian Harrison Fair, Jr. ...	St. Matthews	James Wilson Snipes	Marion
Fitz Lee Hardin, Jr.	Chester	John Ripley TeBow	Augusta, Ga.
Claude C. Howell	Troy, N. C.	George Truman Walton	Belton
		Frank Merritt Wilkerson...	Hickory Grove

Industrial Physics

Louis Hampton Cook, Jr.	Bishopville
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Pre-Medicine

Philip William Gilroy	Greenville	Ben Gerald Richardson	Pomaria
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SCHOOL OF CHEMISTRY

*Bachelor of Science Degree**Chemistry*

John Owen Lewis, Jr.	Marion	James Jefferies Littlejohn ..	Spartanburg
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SCHOOL OF ENGINEERING

*Bachelor of Science Degree**Architectural Engineering*

Floyd Ferguson Kay, Jr.	Charlotte, N. C.
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Architecture

Jerry Edward Williams ...	Spartanburg	Guy Austin Yeargin	Anderson
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Chemistry-Engineering

James Allen Brown	Greenville
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Bachelor of Architecture Degree

Samuel Rufus Putnam, Jr.	Clemson
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Bachelor of Civil Engineering Degree

Chester B. Aiken, Jr.	Pickens	Ben Lauren Bates	Carolla, N. C.
Frederick Wilhelm Andrea, Jr.	Greer	Alan Wayne Potter	Clifton
William Valentine Hadsell, Jr.	Savannah, Ga.	John Allen Richbourg	Summerton
*Ivan Dewitt King, Jr.	Gray Court	John Clement Rogers	Chesnee
John Decatur Locke, Jr.	Taylors	Ephraim Mikell Seabrook, Jr.	Mt. Pleasant
**Ashby Benjamin Moon, Jr.	Columbus, Ga.	Joe Oscar Smith	Elberton, Ga.

Bachelor of Electrical Engineering Degree

William Pinkney Boliek ...	Sarasota, Fla.	Julien Theodore Melchers, Jr.	Mt. Pleasant
Charles Babb Cannon, Jr.	Laurens	John Bunyan Mitchell	Saluda
George William Connelly	Newberry	Richard Eugene Nix	Florence
Thomas Burnette Fairey ...	Orangeburg	Francis Peyre Porcher	Charleston
Alexander Francis Hammond ...	Camden	***Garland Berte Seaborn, Jr.	Central
Robert Lawrence Heyd, Jr.	New York, N. Y.	Henry Calvin Shadwell	Columbia
Chadwick Burwick Hucks	Savannah, Ga.	Henry John Thiele, Jr.	Charleston
**Howard E. Lee, Jr.	Newport News, Va.		

* With honor

** With high honor

*** With highest honor

Bachelor of Mechanical Engineering Degree

Roland Lewis Allen, Jr.	Greenville	Frank Weston Mahon, Jr.	Greenville
Benjamin Hiram Baggott	Columbia	David Joseph Mangan ..	Springfield, Mo.
Merrill Vernon Davis	Concord, N. H.	Charles Haley Martin	Aiken
James David Hill, Jr.	Sanford, N. C.	Arthur Davis Plowden	Sumter
Richard Gene Leiby	Sumter	Harold Bernard Powell	Spartanburg
William Francis McClain ..	Honea Path	John Day Simonds	Orlando, Fla.

SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Chemistry*

Richard Cramer Ellison	Lancaster	Walter Brice Kelsey, Jr.	Chester
Jack Holt Emerson	Atlanta, Ga.	John Marshall Withington ...	Greenville

Textile Engineering

John Dwight Bell, Jr.	Naval Base	William Edgar Josey	Anderson
John Henry Bevis, Jr.	Charleston	John Foy Walser	Salisbury, N. C.
Keith Harlan Buchanan	Anderson	Robert L. Whitaker	Union
Henry Burton Coyle	Gaffney	Durham DeCaney Williams, Jr.	
Thomas Eugene Eskew	Whitmire		Georgetown
Harold Dwight Hughey	Greer		

Textile Manufacturing

Arthur Edward Abrams ...	Ware Shoals	Thomas Vincent Mims ..	Talladega, Ala.
William Julian Arnette	Winnsboro	General June Pruitt	Greer
*William Charles Ballew	Easley	William Hunter Stallworth, Jr.	
Milton Norwood Bridwell	Greenville		Jacksonville, Fla.
Jimmie Lewis Cantrell	Fort Mill	James Edward Stevens	Spartanburg
John Preston Carwile	Abbeville	Bruce Elliott Taylor	Greer
Robert Gage	Anderson	Roderick Murchison Todd	Anderson

SCHOOL OF VOCATIONAL EDUCATION

*Bachelor of Science Degree**Industrial Education*

Charles Harvey Holladay	Sumter	Edward Hanks Jones	Great Falls
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Vocational Agricultural Education

William Clyde Carter	Fort Lawn	Clarence Henry Lathan	Lowrys
Mims Harth Fanning	Springfield	Luther Washington Little, Jr.	Newberry
Edward Hardy Green....	Dyersburg, Tenn.	George Smith McKenzie	Mullins
**Morris Marshall Harrison	Pelzer	George Edwin Mason	Fairplay
Cecil Cleon Howard	Pickens	James Albert Neves	Taylors
James Leland La Frage	Fort Mill	*Van Clinton Porter	Williston

MASTERS' DEGREES CONFERRED AUGUST 19, 1949

SCHOOL OF AGRICULTURE

*Master of Science Degree**Agricultural Economics*

Dennis E. Crawford	Clemson	John Ritchie Smith ..	Hot Springs, Ark.
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SCHOOL OF ARTS AND SCIENCES

*Master of Science Degree**Physics*

John Mauldin Watkins, Jr.....	Greenwood
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- * With honor
- ** With high honor

GRADUATES OF 1949 BY MAJOR COURSES

SCHOOL OF AGRICULTURE	147
Agricultural Economics	10
Agricultural Engineering	36
Agronomy	34
Animal Husbandry	37
Dairy	12
Entomology	1
Horticulture	15
Poultry	2
SCHOOL OF ARTS AND SCIENCES	95
Arts and Sciences	63
General Science	2
Industrial Physics	7
Pre-Medicine	23
SCHOOL OF CHEMISTRY	15*
Chemistry	15*
SCHOOL OF ENGINEERING	313*
Architectural Engineering	8
Architecture (5-year)	1
Architecture (4-year)	31
Chemical Engineering	13*
Chemistry-Engineering	1
Civil Engineering	79
Electrical Engineering	96
Mechanical Engineering	84
SCHOOL OF TEXTILES	162
Textile Chemistry	18
Textile Engineering	31
Textile Manufacturing	113
SCHOOL OF VOCATIONAL EDUCATION	69
Education	1
Industrial Education	12
Vocational Agricultural Education	56
TOTAL GRADUATES OF 1949	800

* Includes one student who was graduated both in Chemistry and Chemical Engineering.

TOTAL GRADUATES BY MAJOR COURSES 1896 - 1949

<i>Major Course</i>	<i>Total</i>	<i>Major Course</i>	<i>Total</i>
Agriculture -----	244	Electrical Engineering -----	810
Agriculture and Animal Industry ---	80	Engineering Industrial Education ---	70
Agriculture and Chemistry -----	69	Entomology -----	116
Agricultural Chemistry -----	99	Forestry -----	8
Agricultural Economics -----	147	General Science -----	359
Agricultural Education -----	197	Horticulture -----	304
Agricultural Engineering -----	177	Industrial Education -----	127
Agronomy -----	532	Industrial Physics -----	15
Animal Husbandry -----	302	Mechanical Engineering -----	597
Architectural Engineering -----	19	Mechanical and	
Architecture -----	247	Electrical Engineering -----	489
Arts and Sciences -----	222	Poultry -----	2
Bachelor of Science -----	3	Pre-Medicine -----	115
Botany -----	11	Soils -----	9
Chemical Engineering -----	62	Textile Chemistry -----	177
Chemistry -----	238	Textile Engineering -----	846
Chemistry and Geology -----	11	Textile Industrial Education -----	85
Chemistry-Engineering -----	43	Textile Manufacturing -----	121
Civil Engineering -----	723	Veterinary Science -----	16
Dairy -----	234	Vocational Agricultural Education ---	509
Education -----	23	Weaving and Designing -----	42

Double Majors

Agricultural Chemistry and Arts and Sciences -----	1
Agricultural Chemistry and General Science -----	1
Agricultural Economics and Animal Husbandry -----	1
Agricultural Economics and Vocational Agricultural Education -----	1
Agronomy and Vocational Agricultural Education -----	2
Animal Husbandry and Vocational Agricultural Education -----	3
Animal Husbandry and Agricultural Education -----	3
Animal Husbandry and Dairy -----	2
Architecture and Architectural Engineering -----	9
Architecture, four-year, and Architecture, five-year -----	1
Arts and Sciences and Agricultural Economics -----	1
Chemical Engineering and Chemistry and Chemistry-Engineering -----	3
Chemical Engineering and Chemistry-Engineering -----	1
Chemistry and Chemical Engineering -----	1
Chemistry and Chemistry-Engineering -----	1
Chemistry and General Science -----	1
Chemistry and Industrial Physics -----	1
Chemistry and Agricultural Chemistry -----	1
Civil Engineering and Chemistry and Geology -----	2
Electrical Engineering and Mechanical Engineering -----	16
General Science and Education -----	1
General Science and Electrical Engineering -----	1
Horticulture and Agronomy -----	1
Pre-Medicine and Textile Chemistry -----	1
Textile Engineering and Mechanical and Electrical Engineering -----	1
Textile Engineering and Textile Industrial Education -----	1
Textile Engineering and Textile Manufacturing -----	1
Textile Engineering and Weaving and Designing -----	1
Total Graduates from 1896 through 1949 -----	8560

LIST OF STUDENTS, 1949 SUMMER TERM

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry; A&S-Arts and Sciences, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Ch En-Chemical Engineering, Ch-En-Chemistry-Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing; Ed-Education, Ind Ed-Industrial Education, VAE-Vocational Agricultural Education.

New students admitted in June, 1949 are indicated by an asterisk (*).

Name and Course	Address	Name and Course	Address
Abrams, A. E. (4 TM)	Ware Shoals	Ballentine, G. W. (1 TM)	Blythewood
Adair, J. L. (4 AH)	Clinton	Ballentine, W. W. (3 Ag Ec)	Blythewood
Adams, I. J. (4 AH)	Kershaw	Ballew, C. B. (3 Ed)	Liberty
Adams, L. C. (S)	Clemson	Ballew, W. C. (4 TM)	Easley
Aguilar, J. E. (4 TM)	Alajuela, C. R.	Balloch, J. (4 TM)	Travelers Rest
Aiken, C. B. (4 CE)	Pickens	Barker, H. V. (3 CE)	Seneca
Aiken, D. A. (4 TM)	Winnsboro	Barnett, J. C. (1 Pre-Med)*	Marietta
Aiken, F. V. (3 TM)	Bath	Barnett, J. T. (3 Arch)	Memphis, Tenn
Akers, D. J. (4 Hort)	Carrollton, Ky.	Barton, T. E. (1 Ed)	Lancaster
Alexander, B. M. (3 TM)	Lyman	Bass, T. C. (3 Arch)	Greenville
Alexander, J. M. (1 E-CE)	Westminster	Bates, B. L. (4 CE)	Spartanburg
Alexander, M. W. (2 A-Agron)	Westminster	Bates, C. L. (1 Ar En)	Charlotte, N. C.
Allen, H. F. (2 A-Agron)	Latta	Bates, E. L. (2 A-Dairy)	Neesee
Allen, L. D. (4 EE)	Savannah, Ga.	Bates, S. W. (3 EE)	Naval Base
Allen, L. R. (1 VAE)	King's Creek	Batson, H. G. (2 TM)	Laurens
Allen, O. L. (4 CE)	West Union	Beardson, H. J. (3 TM)	Cliffside, N. C.
Allen, R. L. (4 ME)	Greenville	Bearss, W. A. (2 EE)	Columbus, Ga.
Allison, H. G. (3 TM)	Gaffney	Bell, G. M. (3 Ar En)	Anderson
Ameen, W. O. (4 Ar En)	Winnsboro	Bell, J. D. (4 TE)	Naval Base
Amick, W. A. (2 TM)	Rock Hill	Bell, R. R. (1 TM)	Pelzer
Anderson, B. R. (4 VAE)	Timmonsville	Bennett, R. J. (1 VAE)	Union
Anderson, C. P. (4 TM)	Lexington, N. C.	Bennett, R. M. (2 Ag En)	Greer
Anderson, R. B. (3 Poul)	Sleepy Eye, Minn.	Berry, B. C. (3 Ag Ec)	Johnston
Andrea, F. W. (4 CE)	Greer	Berry, E. B. (S)	Anderson
Arnette, W. J. (4 TM)	Winnsboro	Berry, W. E. (2 A-Agron)	Ellora
Arnts, G. W. (4 CE)	North Tonawanda, N. Y.	Berry, W. W. (3 A&S)	Greenville
Aronson, A. A. (SG)	Raleigh, N. C.	Bevis, J. H. (4 TE)	Charleston
Arthur, R. A. (PG CE)	Spartanburg	Beyer, F. W. (S)	Clemson
Ash, E. R. (3 ME)	Greenville	Bishop, J. H. (1 TM)*	Ware Shoals
Ashley, R. H. (3 A&S)	Iva	Black, J. A. (4 TM)	York
Askins, S. E. (2 Ch En)	Kingstree	Blair, A. E. (4 EE)	Greenville
Atkins, W. G. (4 TM)	Anderson	Blair, E. W. (1 E-CE)*	Spartanburg
Atkinson, F. W. (4 Ag En)	Augusta, Ga.	Blair, G. W. (2 EE)	Savannah, Ga.
Aycock, E. R. (4 TM)	Greenville	Blessing, A. L. (1 E-ME)	Kingsport, Tenn
Baggett, B. H. (4 ME)	Columbia	Blythe, J. W. (4 ME)	Pelzer
Bailey, G. T. (4 TE)	Greenville	Bodie, A. B. (3 EE)	Newber
Bailey, R. B. (S TE)	Clemson	Bodie, W. J. (1 E-ME)	Anderson
Bailey, T. A. (1 A-AH)	Naval Base	Boggs, C. R. (1 TM)	Greenville
Bailey, T. W. (3 CE)	Summerville	Boliek, W. P. (4 EE)	Centerville
Bailey, W. P. (4 A&S)	Greenwood	Bolt, F. (1 E-EE)	Gray Court
Baker, O. E. (3 AH)	Nichols	Bond, L. P. (2 ME)	Columbia
Baldwin, O. S. (2 Ind Ed)	Charleston	Boroni, H. L. (4 A&S)	Brooklyn, N. Y.
Ball, S. E. (4 TM)	Greenville	Boswell, D. F. (2 TM)	Mann
Ballenger, R. D. (4 TM)	Charlotte	Boulware, M. D. (2 A-AH)	Anderson
Ballenger, S. B. (4 TM)	Chattanooga, Tenn.	Bowen, R. A. (2 TE)	Belt
Ballenger, S. H. (S)	Walhalla	Bowen, R. E. (3 TM)	Greenville

Name and Course	Address	Name and Course	Address
Bowen, R. H. (4 A&S)	Greenville	Chambers, H. C. (4 CE)	Beaufort
Bowen, R. R. (3 TE)	Greenville	Chambers, J. E. (3 ME)	Piedmont
Bowen, W. K. (4 EE)	Piedmont	Chaplin, H. M. (3 Agron)	Neeses
Boyd, H. S. (4 TM)	Laurens	Chapman, P. M. (1 Pre-Med)*	Anderson
Boyd, W. L. (2 TM)	York	Childress, J. R. (3 VAE)	Six Mile
Boykin, J. D. (4 A&S)	Georgetown	Chovan, T. M. (4 EE & Ind Phys)	Bethlehem, Pa.
Boykin, W. B. S. (3 Agron)	Boykin	Christenbury, J. W. (3 TM)	Charlotte, N. C.
Boylston, R. E. (PG)	Charleston	Christopher, J. B. (2 CE)	Central
Brackett, G. D. (4 TE)	Rock Hill	Clanton, J. C. (3 Pre-Med)	Charlotte, N. C.
Bradfield, J. W. (4 CE)	Charlotte, N. C.	Clanton, R. M. (4 A&S)	Darlington
Bradley, C. G. (3 Ag En)	Forest City, N. C.	Clapp, J. C. (2 ME)	St. Petersburg, Fla.
Branham, R. A. (2 Ind Phys)	Atlanta, Ga.	Clardy, W. W. (3 Ind Ed)	Arlington, Va.
Brett, D. (2 TM)	New York, N. Y.	Clark, B. D. (4 VAE)	Johnston
Bridwell, M. N. (4 TM)	Greenville	Clark, G. L. (3 Ind. Ed)	Johnston
Bright, H. E. (4 TM)	Radford, Va.	Clarke, L. W. (4 AH)	Pineville
Brinson, A. D. (3 Ind Phys)	Wilmington, N. C.	Clarkin, J. R. (3 Ar En)	Charleston
Brisendine, R. S. (4 TE)	East Point, Ga.	Cleveland, J. O. (4 TM)	Anderson
Broadway, J. R. (4 Ag En)	Summerton	Clinkscales, M. M. (4 TM)	Abbeville
Brogdon, J. T. (2 A-Agron)	Manning	Coarsey, R. W. (1 A-Dairy)*	Trion, Ga.
Brooks, J. T. (1 Ed)	Fountain Inn	Cobb, J. C. (3 TM)	Charlotte, N. C.
Brown, J. A. (4 Ch-En)	Greenville	Cobb, T. E. (2 TE)	Lyman
Brown, R. C. (1 VAE)	Townville	Cobb, W. H. (2 EE)	Columbia
Bruner, G. E. (S)	Clemson	Cochran, W. R. (4 Ind Ed)	Seneca
Brutcher, C. K. (3 Pre-Med)	Savannah, Ga.	Cochran, W. T. (3 TE)	Greenville
Bryan, W. J. (4 AH)	Walterboro	Coleman, C. E. (2 Chem)	Brunswick, Ga.
Bryant, H. O. (2 TM)	Liberty	Coleman, P. W. (1 A-Dairy)*	Mountville
Bryant, I. W. (3 TM)	Inman	Coleman, T. E. (3 CE)	Mountville
Buchanan, K. H. (4 TE)	Anderson	Collings, T. A. (4 Pre-Med)	Clemson
Bull, J. H. (1 TM)	Taylors	Collins, M. A. (2 Ind Ed)	Walhalla
Bunger, A. W. (3 ME)	Savannah, Ga.	Collins, W. J. (1 TM)	Westminster
Burch, M. B. (2 A&S)	Florence	Connolly, G. W. (4 EE)	Newberry
Burdette, J. S. (4 CE)	Greenville	Connolly, H. M. (4 TM)	Pendleton
Burley, M. M. (3 Ind Ed)	Spartanburg	Connor, T. M. (4 Ag En & CE)	Bowman
Burnett, W. C. (4 TM)	Johnston	Conway, J. W. (3 EE)	Somerville, Mass.
Burnett, W. E. (3 TM)	Greenville	Cook, J. H. (4 TM)	Travelers Rest
Burns, W. C. (3 AH)	Georgetown	Cook, J. W. (1 E-EE)	Easley
Busby, A. F. (4 Dairy)	Anderson	Cook, L. H. (4 Ind Phys)	Bishopville
Bussey, J. C. (2 Ag En)	Hagood	Cooley, V. (1 A&S)*	Williamston
Butts, W. P. (3 Hort)	Walhalla	Costello, W. V. (3 A&S)	Georgetown
Byars, R. P. (3 Ed)	Gaffney	Cottrhan, O. R. (4 VAE)	Pickens
Calhoun, A. P. (3 A&S)	Savannah, Ga.	Courtney, R. O. (3 CE)	Johnston
Calvert, L. (4 TM)	Mount Holly, N. C.	Covington, D. H. (2 Pre-Med)	Burnsville, N. C.
Cameron, E. L. (1 E-EE)	Saluda	Coward, V. L. (1 E-ME)*	Calhoun Falls
Campbell, B. C. (2 EE)	Greenville	Cox, A. B. (2 TM)	Denmark
Campbell, J. B. (3 EE)	Inman	Cox, F. L. (4 AH)	Decatur, Ga.
Campbell, Wallace L. (3 TM)	Edgefield	Cox, G. H. (3 Ind Ed)	Easley
Campbell, William L. (4 TM)	Greenville	Cox, H. S. (1 Arch)	Belton
Canfield, J. F. (4 Ag En)	Greenwood	Cox, J. M. (3 Arch)	Kingsport, Tenn.
Cannon, C. B. (4 EE)	Laurens	Craig, J. T. (3 Ag En)	Pickens
Cannon, L. R. (4 A&S)	Anderson	Crandall, G. O. (1 A-Hort)	Clemson
Cantrell, J. L. (4 TM)	Fort Mill	Crapse, H. M. (4 ME)	Estill
Caphton, D. L. (2 ME)*	Savannah, Ga.	Crawford, D. E. (SG)	Clemson
Carmichael, C. F. (2 VAE)	Fork	Crawford, G. E. (1 Arch)	Gray Court
Carciachael, K. S. (2 TM)	Lynchburg	Creech, E. R. (2 TM)	Spartanburg
Carr, W. B. (3 CE)	Laurens	Creighton, C. S. (4 Ent)	N. Augusta
Carr, W. G. (3 Ch En)	Union	Creighton, J. H. (1 E-ME)*	Spartanburg
Carroll, J. H. (4 TE)	Anderson	Crim, J. E. (3 EE)	Greer
Carson, C. E. (3 TM)	Union	Cromer, B. A. (2 TM)	Anderson
Carson, L. A. (PG)	Orangeburg	Cromer, J. R. (1 Ed)	Newberry
Carter, J. H. (4 A&S)	Georgetown	Crowe, R. N. (3 Arch)	Greenwood
Carter, W. C. (4 VAE)	Catawba	Crump, E. L. (3 ME)	Newberry
Carver, A. B. (4 EE)	Greenville	Culp, R. B. (3 VAE)	Waxhaw, N. C.
Carwile, J. P. (4 TM)	Abbeville	Culp, T. W. (3 Agron)	Fort Mill
Cash, W. G. (3 TM)	Taylors	Cunningham, K. S. (1 E-EE)*	Arlington, Va.
Cason, C. R. (1 E-ME)	Walhalla	Cureton, F. M. (4 TM)	Union
Cassell, J. H. (3 Arch)	Pickens	Cureton, J. C. (2 TM)	Clemson
Castelloe, J. B. (2 ME)	Greenville	Currie, L. G. (2 A-Ag Ec)	Clio
Castles, D. F. (4 EE)	Winnsboro	Curry, J. M. (3 Agron)	Gray Court
Castles, T. P. (2 A-AH)	Great Falls	Dabney, W. D. (2 A-AH)	Lancaster
Cates, J. W. (3 ME)	Seneca	Daniel, G. G. (2 Ind Ed)	North Augusta
Cable, R. (S)	Salisbury, N. C.	Danner, O. F. (4 A&S)	Jonesville
Caudill, V. S. (1 A)	Star, N. C.		
Chalker, A. L. (4 ME)	South Orange, N. J.		

Name and Course	Address	Name and Course	Address
Davenport, J. A. (3 ME)	Germantown, Tenn.	Fair, J. H. (4 A&S)	St. Matthews
Davis, B. B. (1 E-TE)*	Cowpens	Fairey, T. B. (4 EE)	Orangeburg
Davis, B. W. (3 TM)	Greenville	Falkner, I. L. (4 Ind Phys)	Charlotte, N. C.
Davis, C. E. (3 TM)	Greenwood	Fanning, M. H. (4 VAE)	Newberry
Davis, J. M. (3 VAE)	Norway	Farmer, K. B. (3 Ind Ed)	Tomotla, N. C.
Davis, J. R. (1 Pre-Med)*	Ridge Spring	Farriss, C. W. (4 ME)	Charlotte, N. C.
Davis, M. V. (4 ME)	Wedgfield	Faucett, J. W. (2 Pre-Med)	Union
Davis, P. C. (2 CE)	Greer	Faulkenberry, F. W. (3 ME)	Chester
Davis, R. E. (3 TM)	Fountain Inn	Faulkner, H. G. (2 VAE)	Clover
Davis, R. F. (1 E-ME)*	Union	Fellers, Q. H. (4 TM)	Prosperity
Davis, R. S. (4 TM)	South Boston, Va.	Fellers, R. H. (4 Arch)	Newberry
Day, J. E. (2 Ind Ed)	Chester	Fendley, J. E. (4 TM)	Westminster
Deason, J. T. (3 TM)	McCormick	Fennell, J. E. (4 EE)	Hardeeville
Debbski, J. Z. (1 A-Poul)	Irvington, N. J.	Ferguson, R. W. (3 CE)	Belmont, N. C.
Deering, G. F. (1 E-ME)	Anderson	Ferguson, T. C. (3 EE)	Greenville
DeLoach, R. L. (4 ME)	Beaufort	Ferguson, T. M. (4 A&S)	York
Dempsey, G. (2 Chem)	Seneca	Few, B. E. (2 ME)	Pickens
Deviney, W. E. (4 Ag Ec)	Rutherfordton, N. C.	Finley, G. L. (4 EE)	Anderson
Dewberry, W. E. (2 TM)	Elberton, Ga.	Fleming, G. R. (4 TM)	Chester
DeYoung, L. B. (4 Hort)	Clemson	Florence, O. G. (4 ME)	Wrens, Ga.
Diamond, G. (3 TM)	Taunton, Mass.	Flowers, J. P. (4 Ag En)	Darlington
Dickert, H. D. (2 EE)	Orangeburg	Floyd, G. O. (1 E-ME)	McBee
Dilfield, R. E. (4 Arch)	Newport News, Va.	Folk, E. W. (2 Ch En)	Simpsonville
Di Marzo, J. M. (2 CE)	West Orange, N. J.	Folk, J. M. (2 TM)	Bamberg
DiMucci, D. M. (1 Ed)	McKeesport, Pa.	Ford, J. M. (S)	Clemson
Dixon, E. C. (1 TM)	Darlington	Forlidas, N. J. (1 E-TE)	Spartanburg
Dixon, L. C. (1 TM)	Union	Foster, W. H. (1 E-CE)	Union
Dixon, W. H. (3 TM)	Brevard, N. C.	Fowler, R. D. (4 TM)	Anderson
Dobbins, J. P. (4 Ind Phys)	Spartanburg	Fowler, William C. (2 Arch)	Mullins
Dobson, J. W. (4 Agron)	Central	Fowler, Willis C. (3 Ar En)	Columbia
Dobson, R. T. (2 TM)	Central	Foy, H. B. (4 Arch)	Waynesville, N. C.
Donegan, T. D. (4 A&S)	New York, N. Y.	Fraissor, J. (2 EE)	Whitmire
Douglass, G. G. (4 TM)	Winnsboro	Franklin, M. S. (2 TM)	Aiken
Drake, B. F. (4 Agron)	Pelzer	Franks, H. L. (3 Ed)	Greenville
Drake, O. K. (3 TM)	McCormick	Freeman, C. B. (1 Ind Phys)	Westminster
Drake, W. T. (2 ME)*	Travelers Rest	Freudenberger, O. L. (1 E-CE)	Tampa, Fla.
DuBose, C. R. (3 Ind Ed)	Ellenton	Friar, J. S. (2 ME)	Montmorenci
Duckworth, R. J. (4 TM)	Westminster	Fridde, W. J. (2 TM)*	Greenville
Duckworth, R. M. (3 Ar En)	Westminster	Fripp, W. E. (4 Ar En)	Florence
Dugan, J. D. (4 ME)	Easley	Fulmer, J. S. (3 A&S)	Greenville
Dukes, D. E. (4 Ind Ed)	Orangeburg	Funchess, M. D. (4 Ag En)	Rowesville
Dumas, A. L. (3 TE)	Rockmart, Ga.	Furr, E. F. (4 Pre-Med)	Rock Hill
Duncan, B. A. (3 TM)	Six Mile	Furse, G. H. (3 VAE)	Summerton
Duncan, H. H. (2 EE)	Anderson	Gaddis, R. S. (3 Ar En)	Taylors
Duncan, R. M. (3 ME)	Union	Gaddy, J. D. (4 TM)	McColl
Dunn, D. L. (3 EE)	Warrenville	Gage, R. (4 TM)	Anderson
Dunn, J. C. (2 TM)	Central	Gailey, C. W. (3 TM)	Anderson
Dunn, O. H. (1 TM)	Birmingham, Ala.	Gaillard, J. W. (4 TM)	Walhalla
Eakin, J. R. (1 Ed)*	Stone Mountain, Ga.	Gaillard, W. H. D. (3 EE)	Florence
Earle, G. C. (2 ME)	Washington, D. C.	Gaines, H. P. (4 TM)	Honea Path
Earle, J. R. (PG)	Walhalla	Gaines, J. C. (2 ME)	Liberty
Earnhardt, R. A. (3 TM)	Spartanburg	Gaines, J. O. (3 Agron)	Townville
Easterling, J. L. (2 A-Agron)	Hartsville	Gaines, J. R. (4 TM)	Liberty
Eberhart, H. C. (4 ME)	Anderson	Gamble, W. A. (4 VAE)	Charleston
Edney, E. P. (4 Ar En)	Charleston	Gambrell, H. L. (2 TM)	Piedmont
Edwards, L. L. (4 Ag En)	Marion	Gandy, V. (2 A-AH)	Florence
Ehrhardt, H. S. (2 Pre-Med)	Ehrhardt	Gardner, R. B. (1 A)*	Chesterfield
Ellenburg, G. F. (2 A&S)*	Easley	Garner, E. A. (2 A-Agron)	Ashburn, Ga.
Elliott, W. H. (2 A-AH)	Summerville	Garren, C. H. (3 TM)	Calhoun, Ga.
Ellis, D. H. (2 EE)	Spartanburg	Garrett, O. S. (2 Ind Ed)	Greenville
Ellison, R. C. (4 TC)	Lancaster	Garrison, E. W. (2 TM)	Sandy Springs
Elrod, B. R. (1 Pre-Med)*	Piedmont	Garrison, W. H. (3 Arch)	Columbia
Elrod, R. F. (2 A-Ag Ec)	Piedmont	Gasaway, G. P. (4 Arch)	Jefferson, Ga.
Epps, J. F. (1 TM)*	Walhalla	Gaston, G. L. (2 Arch)	Blacksburg
Eskew, T. E. (4 TE)	Whitmire	Gatlin, K. A. (3 A&S)	Newberry
Eskridge, K. C. (3 AH)	Cheraw	Genet, G. T. P. (3 TM)	Georgetown
Eubanks, W. S. (3 AH)	Anderson	Gettys, R. A. (4 TE)	Rock Hill
Evans, D. L. (3 AH)	Holly Hill	Giddings, M. E. (4 CE)	Greenville
Evans, J. G. (2 Pre-Med)	Piedmont	Gillespie, R. L. (3 Pre-Med)	Tams, W. Va.
Evans, J. R. (4 ME)	Anderson	Gilmore, W. F. (4 Ind Ed)	Santuck
Evans, J. W. (4 TM)	Pinewood	Gilpin, A. T. (4 Dairy)	Chester
Ezell, B. B. (PG Arch)	Spartanburg	Gilroy, P. W. (4 Pre-Med)	Greenville
Faschin, G. J. (3 A&S)	Anderson	Ginn, J. W. (4 AH)	Charleston
		Godfrey, C. H. (3 ME)	Florence

Name and Course	Address	Name and Course	Address
Godwin, J. F. (2 A-AH)	Coward	Hart, J. C. (4 Dairy)	Greenville
Godwin, J. L. (1 Pre-Med)*	Summerton	Hart, J. D. (4 EE)	Kelton
Gooch, F. M. (4 Ar En)	Spartanburg	Hart, K. R. (1 Chem)*	Rock Hill
Gooding, W. H. (1 TM)	North Charleston	Hart, R. M. (4 ME)	Tournapull, Ga.
Goodman, J. W. (4 Ag En)	Mountville	Hastings, J. W. (4 TM)	Chester
Gordon, J. C. (1 E-EE)	Liberty	Hastings, S. W. (3 Hort)	Norfolk, Va.
Gough, S. W. (2 Ind Ed)	Chester	Hatcher, C. R. (1 E-EE)	Graniteville
Graham, A. T. (2 TM)	Seranton	Hawkins, D. A. (2 Ed)*	Atlanta, Ga.
Graham, B. M. (2 TM)	Rock Hill	Hay, W. D. (2 EE)	Florence
Graham, R. B. (2 TM)	Anderson	Hayes, G. (2 ME)	Ellenton
Gramling, J. M. (4 AH)	Orangeburg	Hayes, R. D. (2 VAE)	Pickens
Grant, W. E. (S)	Chester	Hayes, W. C. (2 TM)	Central
Graves, C. L. (2 Arch)	Bluffton	Haynes, G. C. (4 CE)	Cliffside, N. C.
Green, E. H. (4 VAE)	Dyersburg, Tenn.	Hayslip, C. C. (4 ME)	Spartanburg
Greene, C. R. (4 TE)	Newry	Hazle, J. D. (4 TE)	Woodruff
Greer, F. (2 ME)	Duncan	Head, C. M. (4 CE)	Greenville
Greer, J. M. (2 VAE)	Westminster	Healan, R. W. (4 CE)	Rock Hill
Gregg, J. M. (1 TM)	Hemingway	Heape, C. (1 VAE)	Luray
Gregg, R. L. (3 TM)	Asheville, N. C.	Hedden, G. C. (4 Arch)	Badin, N. C.
Gregg, W. B. (4 Ind Ed)	Kingstree	Hedgepath, H. D. (3 Arch)	Columbia
Gregory, W. C. (4 Ar En)	Chesnee	Heins, C. H. (3 ME)	Charleston
Griffin, B. L. (3 EE)	Central	Hendricks, D. (3 AH)	Liberty
Griffith, W. A. (2 TM)	Lancaster	Heniford, D. O. (3 Ag En)	Loris
Grubbs, R. J. (3 CE)	Westminster	Henke, R. A. (3 ME)	Rye, N. Y.
Gulledge, L. S. (3 Ag Ec)	Wedgfield	Herbert, A. M. (1 E-EE)*	Orangeburg
Gwinn, N. S. (4 TE)	Woodruff	Herlong, B. H. (4 Ag En)	Saluda
Haddon, H. A. (1 TM)	Rock Hill	Herlong, D. P. (2 A&S)	Rock Hill
Haddell, W. V. (4 CE)	Savannah, Ga.	Hester, F. T. (1 TM)	Greenville
Hagan, J. D. (1 TM)	Union	Heyd, R. L. (4 EE)	New York, N. Y.
Haigler, D. G. (4 AH)	Cameron	Hicks, B. D. (3 TM)	Fort Mill
Haigler, E. V. (4 Agron)	Cameron	Hicks, R. G. (4 ME)	Spartanburg
Hair, A. B. (1 TM)*	Williamston	Hildebrand, E. J. (2 ME)	Washington, D. C.
Hair, C. A. (4 Ar En)	Fairfax	Hill, F. D. (4 TM)	Spartanburg
Hall, C. E. (2 EE)	Anderson	Hill, Jack D. (2 ME)	Greenville
Hall, F. N. (4 TE)	Spartanburg	Hill, James D. (4 ME)	Sanford, N. C.
Hall, H. T. (3 VAE)	Bethune	Hill, R. L. (3 EE)	Anderson
Hall, T. C. (3 VAE)	Mount Ulla, N. C.	Hiller, R. E. (4 Ind Phys)	Greenville
Hall, W. E. (1 A&S)	Anderson	Hinson, J. F. (2 ME)	Lynchburg
Hamilton, L. C. (4 Hort)	Easley	Hittinger, E. M. (2 EE)	Weatherly, Pa.
Hamilton, W. R. (2 CE)	Durham, N. C.	Hodges, W. A. (4 Pre-Med)	Mullins
Hammett, W. K. (3 TC)	Inman	Hoffmann, R. C. (4 TM)	Fanwood, N. J.
Hammond, A. F. (4 EE)	Florence	Hoffmann, R. M. (4 Pre-Med)	Fountain Inn
Hammond, G. F. (3 VAE)	Seneca	Hogan, C. S. (4 EE)	North Augusta
Hammond, H. D. (4 Ag Ec)	Seneca	Holcombe, C. W. (4 TE)	Greenville
Hammond, O. P. (3 AH)	Fair Bluff, N. C.	Holder, R. (4 Dairy)	Union
Hampton, C. O. (2 ME)	Lockhart	Holladay, C. H. (4 Ind Ed)	Sumter
Hamrick, R. Y. (4 TE)	Boiling Springs, N. C.	Holland, G. H. (3 AH)	Fountain Inn
Hamrick, S. L. (3 TM)	Wattsville	Holland, J. C. (2 ME)	Moirsboro, N. C.
Hamrick, W. L. (3 TM)	Gaffney	Holley, E. E. (2 A-AH)	Aiken
Hancock, A. B. (2 TM)	Ruby	Holley, R. H. (4 Agron)	Aiken
Hanks, F. L. (1 E-EE)*	Anderson	Holliday, C. A. (3 VAE)	Six Mile
Hardaway, H. M. (4 CE)	Dillon	Holliday, W. T. (1 E-TE)	Greer
Hardee, H. B. (2 A-Ag Ec)	Loris	Hollis, C. E. (3 TM)	Central
Hardee, O. L. (2 VAE)	Andrews	Hollis, J. T. (3 Arch)	Union
Hardin, F. L. (4 A&S)	Chester	Holroyd, R. F. (3 A&S)	Anderson
Hardwick, J. C. (2 A-AH)	Conway	Holshouser, W. A. (4 A&S)	Erwin, Tenn.
Hardwick, J. H. (4 Agron)	Conway	Honeycutt, R. G. (3 TC)	Marion, N. C.
Hardwick, L. D. (4 Ind Ed)	Rock Hill	Hood, R. W. (4 EE)	Greenville
Hare, W. W. (4 Ag En)	Madison	Hoover, J. A. (2 ME)	North Charleston
Harley, J. P. (3 Agron)	Trenton	Hopkins, A. R. (4 Ent)	Pendleton
Harlee, A. H. (1 E-ME)	Florence	Horne, C. C. (3 EE)	Charleston
Harper, F. G. (PG)	Anderson	Hornick, F. J. (2 VAE)	Fair Play
Harper, J. G. (2 A&S)	Anderson	Horton, E. M. (4 ME)	Spartanburg
Harper, W. W. (3 TE)	Seneca	Horton, S. R. (2 TM)	Rock Hill
Harrell, B. H. (3 ME)	Bennettsville	Hough, J. T. (2 ME)	Charlotte, N. C.
Harris, D. D. (4 ME)	Laurens	Houston, W. M. (3 Ag En & CE)	Easley
Harris, G. S. (4 CE)	Daytona Beach, Fla.	Howard, A. M. (3 A&S)	Greenville
Harris, H. S. (2 CE)	Union	Howard, C. C. (4 VAE)	Pickens
Harris, J. E. (2 TE)	Greenwood	Howell, N. A. (4 TE)	College Park, Ga.
Harris, W. A. (2 VAE)	Seneca	Howle, D. M. (3 Ag En)	Darlington
Harrison, A. C. (4 TM)	Spartanburg	Hucks, C. B. (4 EE)	Savannah, Ga.
Harrison, H. H. (3 Ind Ed)	Pendleton	Hucks, C. C. (2 Ag En)	Aynor
Harrison, J. A. (4 ME)	Clemson	Hudson, P. B. (4 TM)	West Union
Harrison, M. M. (4 VAE)	Pelzer	Hudson, R. W. (4 EE)	Sumter

Name and Course	Address	Name and Course	Address
Huff, C. E. (3 TM)	Woodruff	Knight, L. A. (3 TM)	Greenville
Hughes, F. E. (3 TM)	Charlotte, N. C.	Koon, J. A. (2 TM)	Whitmire
Hughey, H. D. (4 TE)	Greer	Labra, G. P. (3 Ar En)	Brooklyn, N. Y.
Huiet, G. E. (PG Arch)	Trenton	Lachicotte, G. P. (4 AH)	Pawleys Island
Huiet, W. C. (2 VAE)	Johnston	Lachicotte, W. F. (3 AH)	Pawleys Island
Hunsuck, W. F. (4 ME)	Whitney	Laffoddy, W. C. (3 A&S)	Lamar
Hunter, M. P. (2 A-AH)	Ora	La Frage, J. L. (4 VAE)	Fort Mill
Hyder, A. G. (2 A&S)	Anderson	Lamoureux, C. O. (4 TE)	Spartanburg
Hyder, J. D. (2 TM)	Anderson	Langford, T. H. (3 A&S)	Ridgeland
Hyland, C. M. (3 Arch)	Wollaston, Mass.	Langley, J. F. (4 Ar En)	Conway
Ingle, J. A. (4 TC)	Asheville, N. C.	Langston, C. L. (3 TM)	Darlington
Ingram, H. W. (2 ME)	Rockingham, N. C.	Lark, H. J. (4 EE)	Easley
Inman, C. M. (3 AH)	York	Latham, D. L. (4 TM)	Iva
Isaacs, O. F. (1 Ind Ed)	Chester	Lathan, C. H. (4 VAE)	Lowrys
Ivester, J. M. (3 TM)	Greenville	Lawrence, R. T. (2 Arch)	Memphis, Tenn.
Jackson, T. F. (3 AH)	Clover	Lay, C. W. (1 E-Ag En)	West Union
Jackson, W. F. (2 Arch)	Rock Hill	Layton, R. D. (1 TM)	Anderson
Jacobs, R. F. (3 ME)	West Columbia	Leavy, C. F. (3 CE)	Brunswick, Ga.
Jacques, J. R. (S)	Ware Shoals	Lee, D. L. (4 TE)	Fort Mill
Jaffe, S. (1 E-EE)	Charleston	Lee, H. E. (4 EE)	Hampton, Va.
James, J. J. (4 TM)	Pendleton	Lee, W. A. (4 CE)	Elberton, Ga.
Jameson, J. M. (1 A)	Liberty	LeFevre, L. B. (4 ME)	Augusta, Ga.
Jamison, T. W. (3 EE)	Trenton	Lefort, H. G. (2 EE)	Upper Marlboro, Md.
Jeffords, L. G. (4 Ag En)	Timmonsville	Leiby, R. G. (4 ME)	Sumter
Jeffords, T. H. (2 A-AH)	Florence	Lemmon, O. C. (1 A-AH)	Latta
Jenkins, A. C. (3 Agron)	Clemson	LeRoy, J. L. (3 Pre-For)	Troy
Johns, E. M. (4 TM)	Spartanburg	Levenson, B. (4 ME)	Brooklyn, N. Y.
Johnson, C. L. (3 Arch)	Sumter	Lever, M. D. (4 AH)	McConnellsville
Johnson, J. A. (4 TM)	Warrenville	Lewis, D. B. (2 A-AH)	Mullins
Johnson, J. E. (3 ME)	Reidsville, N. C.	Lewis, W. H. (3 TM)	Pickens
Johnston, T. E. (4 VAE)	Moncks Corner	Liebenrood, A. E. (2 A-AH)	Mt. Pleasant
Jolly, J. (3 ME)	Gaffney	Ligon, H. B. (4 Pre-Med)	Iva
Jones, C. L. (2 A-AH)	Ridgeway	Lindsay, J. B. (3 Arch)	Clemson
Jones, D. M. (2 A-Agron)	Glenn Springs	Lindsay, R. J. (2 TM)	Clemson
Jones, E. H. (4 Ind Ed)	Great Falls	Lindstedt, G. W. (2 A&S)	Holly Hill
Jones, J. D. (4 ME)	Marietta	Lineberger, T. E. (4 Ind Ed)	Greenville
Jones, M. W. (S)	Spartanburg	Lipton, J. J. (3 Pre-Med)	Beaufort
Jones, R. L. (2 ME)	Pauline	Liston, J. W. (2 A&S)	Smoaks
Jones, T. O. (3 TE)	Newberry	Little, L. W. (4 VAE)	Newberry
Jones, T. W. (1 E)*	Bishopville	Littlejohn, J. J. (4 Chem)	Greenwood
Jones, W. A. (3 Ag En)	Neeses	Littlejohn, J. N. (2 A-Hort)	Sumter
Jordan, A. B. (4 Ind Ed)	Bishopville	Littlejohn, L. S. (1 VAE)	Greenville
Josey, W. E. (4 TE)	Anderson	Livingston, L. S. (4 Ag En)	North
Joyce, H. S. (3 Ag En)	Stoneville, N. C.	Livingston, O. W. (2 TM)	Columbia
Joyner, R. S. (PG)	Ward	Lockaby, R. H. (3 Ed)	East Flat Rock, N. C.
Julien, R. A. (4 A&S)	Greenwood	Locke, J. D. (4 CE)	Taylors
Karst, W. B. (3 ME)	Greenville	Lockman, W. D. (2 ME)	Chesnee
Kates, G. S. (3 TE)	Anderson	Long, C. W. (2 TE)	Conway
Kay, F. F. (4 Ar En)	Charlotte, N. C.	Long, R. O. (2 CE)	Walhalla
Kea, H. M. (2 TM)	Rocky Ford, Ga.	Love, H. G. (PG Arch)	Columbia
Kearse, C. M. (1 Pre-For)	Olar	Love, R. L. (3 VAE)	Hendersonville, N. C.
Keasler, R. L. (2 TM)	Westminster	Lowder, H. B. (3 Ind Ed)	Albemarle, N. C.
Keasler, W. B. (4 EE)	Inman	Lowe, A. H. (4 TM)	Warrenville
Keith, T. C. (3 Hort)	Pickens	Lunsford, P. R. (4 TM)	Charlotte, N. C.
Kelly, James W. (4 Arch)	Anderson	Lupo, G. M. (4 TE)	Charlotte, N. C.
Kelly, John W. (3 Arch)	Central	Lusk, J. A. (3 Arch)	Johnson City, Tenn.
Kelsey, W. B. (4 TC)	Chester	Lusk, L. J. (1 TM)	Greenville
Kendrick, T. B. (3 Arch)	Spartanburg	Lynn, W. W. (3 Agron)	Filbert
Kennedy, C. W. (1 E-TE)	Greenville	Lyons, J. L. (3 TM)	Beaufort
Kennemore, C. M. (4 A&S)	Easley	Lytle, D. G. (4 EE)	New York, N. Y.
Kennette, G. L. (2 TM)	Wellford	McBride, L. M. (3 EE)	Parkersburg, N. C.
Kennette, W. H. (3 TM)	Wellford	McCall, B. G. (4 A&S)	Ellerbe, N. C.
Kincaid, W. L. (SG)	Salisbury, N. C.	McCall, P. L. (1 A-Ag Ec)*	Hartsville
King, E. L. (4 AH)	Chesterfield	McCants, R. S. (4 AH)	Orangeburg
King, I. D. (4 CE)	Gray Court	McClain, J. B. (3 TE)	Inman
King, J. C. (3 Ag En)	McBee	McClain, K. H. (2 TM)	Anderson
King, J. L. (1 A-Agron)	Greenville	McClain, W. F. (4 ME)	Honea Path
King, L. O. (2 Ar En)	Anderson	McClamroch, W. C. (4 Arch)	Pascagoula, Miss.
King, M. J. (2 A&S)	Belton	McClure, T. G. (4 TM)	Anderson
King, R. L. (1 TM)	Abbeville	McCommas, J. A. (2 A-AH)*	Elizabethtown, N. C.
Kirby, W. M. (3 TM)	Laurens	McConnell, F. S. (3 Ag Ec)	Seneca
Kizer, L. E. (3 Agron)	Florence	McConnell, H. E. (2 EE)	Piedmont
Knight, E. L. (4 Ag Ec)	Andrews		
Knight, E. R. (2 Ag En)	Cheraw		

Name and Course	Address	Name and Course	Address
McConnell, J. H. (4 Ind Ed)	Anderson	Mitchell, J. E. (3 Ind Ed)	Augusta, Ga.
McCormick, L. S. (1 E-EE)	Orangeburg	Mitchell, W. B. (4 A&S)	Charlotte, N. C.
McCoy, B. J. (PG)	Greenville	Mixon, L. C. (3 TM)	Aiken
McCoy, L. T. (3 Arch)	Belton	Mixon, L. J. (1 E-ME)	Williamston
McCreight, C. R. (2 Arch)	Columbia	Mize, L. (2 EE)	Walhalla
McCulloch, J. I. (2 TM)	Gaffney	Moisson, W. C. (4 CE)	Greenville
McDaniel, B. F. (4 ME)	Pickens	Montone, N. A. (4 EE)	Westminster
McDonald, H. C. (3 Arch)	Brevard, N. C.	Monts, D. D. (2 A-Agron)	Sandersville, Ga.
McDonald, H. M. (2 A-Agron)	Hartsville	Moon, A. B. (4 CE)	Columbus, Ga.
McDonald, W. A. (3 Arch)	Johnson City, Tenn.	Moore, E. W. (3 Ent)	Westminster
McElveen, C. D. (4 AH)	Columbia	Moore, J. T. (1 TM)	Inman
McElveen, J. D. (2 A-AH)	Lake City	Moore, J. W. (1 E-Ag En)*	Columbus, Ga.
McElveen, M. F. (1 VAE)	Florence	Moore, R. T. (4 VAE)	Piedmont
McFalls, D. L. (3 Ind Phys)	Rutherfordton, N. C.	Moorhead, L. J. (2 Ind Ed)	Anderson
McGinty, R. A. (PG)	Clemson	Moorhead, L. P. (1 Pre-Med)*	Anderson
McGuire, H. N. (3 TC)	Clemson	Morgan, H. E. (3 Ind Ed)	Salisbury, N. C.
McGuirt, H. V. (4 TM)	Fort Mill	Morgan, M. L. (3 Agron)	Oakboro, N. C.
McKee, J. L. (3 Ent)	Chester	Morris, A. R. (2 A-AH)	Olar
McKenzie, G. S. (4 VAE)	Mullins	Morrow, C. B. (4 EE)	Clover
McKeown, H. A. (1 TM)	Chester	Mosteller, G. W. (4 Ed)	Greer
McKinney, R. B. (2 TM)	Pickens	Muckenfuss, A. A. (2 CE)	Florence
McKinney, S. J. (1 E-ME)*	Greenville	Muldrow, R. W. (2 ME)	Sumter
McLain, J. R. (4 VAE)	Chesterfield	Mull, M. D. (2 A-Hort)	Anderson
McLean, N. M. (2 A-AH)	Orangeburg	Mullinix, G. A. (2 TM)	Greenville
McLendon, C. R. (2 A&S)	Columbus, Ga.	Munn, N. R. (2 VAE)	Georgetown
McMillan, T. W. (2 TM)	Central	Murray, E. S. (1 A&S)*	Cleveland
McSwiney, T. L. (2 ME)	Jacksonville, Fla.	Murray, J. R. (1 TM)	Summerville
Machen, R. H. (3 TM)	Greenville	Myers, J. C. (3 TM)	Westminster
Mack, J. H. (3 Arch)	Garnett	Neal, J. L. (4 TC)	Fort Mill
Mack, W. C. (2 ME)	Garnett	Nelson, C. H. (3 ME)	Westminster
Maddox, C. J. (3 AH)	Gaffney	Nelson, K. E. (1 E-EE)	Greenville
Maddox, H. M. (4 A&S)	Easley	Neves, J. A. (4 VAE)	Taylors
Magruder, L. M. (3 A&S)	Sarasota, Fla.	New, F. H. M. (1 E-EE)*	Glendale
Mahaffee, J. W. (4 AH)	Gaffney	Newton, D. T. (4 Ind Ed)	Central
Maner, R. P. (1 E-ME)	Bamberg	Newton, J. B. (2 A-AH)	Myrtle Beach
Mangan, D. J. (4 ME)	Springfield, Mo.	Nichols, C. M. (2 Ag En)	Leesville
Mann, C. L. (1 Arch)	Winnboro	Niver, J. M. (2 TM)	Bluffton
Manning, W. M. (3 Agron)	Columbia	Nix, R. E. (4 EE)	Florence
Mappus, E. R. (4 ME)	Naval Base	Nolte, F. E. (2 Ag En)	Charleston
Marthers, W. C. (2 A-AH)	Winnboro	Norton, R. E. (4 Arch)	Florence
Martin, C. H. (4 ME)	Aiken	Novit, B. J. (3 Ind Ed)	Charleston
Martin, E. E. (2 A&S)	Greenwood	Nowell, J. G. (1 TM)	Charleston
Martin, E. H. (4 AH)	Conway	Nowell, V. H. (4 Ar En)	Savannah, Ga.
Mason, G. E. (4 VAE)	Westminster	Nuckols, J. N. (2 TM)	Westminster
Mason, W. E. (2 TM)	Pacolet Mills	Nunnery, T. W. (2 EE)	Edgemoor
Mauldin, E. L. (1 A&S)	Easley	O'Dell, G. D. (1 A-Dairy)*	Easley
Mauldin, J. E. (3 CE)	Anderson	O'Neal, C. A. (2 A-AH)	Blenheim
Mauldin, W. A. (3 CE)	Anderson	Ortkiese, L. N. (3 Chem)	New Orleans, La.
Maxfield, B. G. (3 AH)	Hodges	Osborne, P. R. (1 TM)	Kingsport, Tenn.
May, D. S. (4 A&S)	Calhoun Falls	Ott, A. L. (1 Arch)	Columbia
Mays, K. W. (1 A&S)	Columbia	Outz, M. (3 AH)	Fair Play
Mays, W. M. (1 TM)	Walhalla	Owen, B. E. (4 Ind Ed)	Orangeburg
Mayson, J. M. (2 VAE)	McCormick	Palmer, N. O. (4 TE)	Norris
Meadows, H. F. (4 Agron)	Woodruff	Park, G. R. (4 Ag En)	Winnboro
Meeks, C. D. (PG)	Clemson	Parker, C. Y. (3 Arch)	Cruzer, Miss.
Melchers, J. T. (4 EE)	Mt. Pleasant	Parker, J. H. (3 Ind Ed)	Norris
Melnyk, W. G. (3 Ar En)	Brooklyn, N. Y.	Parker, R. B. (2 TM)	Savannah, Ga.
Menendez, R. I. (2 ME)	Charleston	Parkins, J. A. (2 TM)	Greenville
Meredith, J. R. (3 VAE)	Townville	Parnell, D. E. (4 Ch En)	Anderson
Metcalfe, J. Q. (4 EE)	Greenville	Parnell, J. S. (1 TM)	Ware Shoals
Metts, W. C. (4 VAE)	Brookings, S. Dak.	Parrott, C. J. (3 TM)	York
Metz, W. W. (3 TM)	Iva	Parsons, B. W. (3 ME)	Rock Hill
Michael, M. G. (2 TC)	Linwood, N. C.	Pate, D. D. (4 A&S)	Cassatt
Mickle, H. L. (4 TM)	Rock Hill	Patrick, L. W. (SG)	Clemson
Miller, B. M. (3 Ind Ed)	Liberty	Patten, M. I. (2 Ind Ed)	Easley
Miller, C. L. (4 TM)	Greenville	Patterson, C. W. (4 TE)	Spartanburg
Miller, D. O. (4 TE)	Chester	Patton, F. J. (4 Ag En)	Pisgah Forest, N. C.
Miller, T. D. (4 TM)	Chester	Patton, R. E. (2 TM)	Fountain Inn
Miller, W. G. (S)	Clemson	Pavia, J. F. (3 EE)	New Brunswick, N. J.
Mims, J. A. (2 ME)	Florence	Peebles, D. L. (4 A&S)	Hampton, Va.
Mims, T. V. (4 TM)	Talladega, Ala.	Peigler, C. T. (4 ME)	Greenville
Mitchell, J. B. (4 EE)	Saluda	Pennell, R. H. (4 CE)	Spartanburg
		Peppers, C. H. (2 Pre-Med)	Taylors
		Peterman, M. (1 E-EE)	Warner Robins, Ga.

Name and Course	Address	Name and Course	Address
Pinson, J. T. (3 ME)	Anderson	Ross, J. W. (4 Hort)	Greer
Pittman, G. L. (2 A-AH)	Myrtle Beach	Roux, J. A. (1 A-AH)	Spartanburg
Pittman, J. F. (2 A-Ag Ec)	Seneca	Rowe, O. R. (2 ME)	Charlotte, N. C.
Plaxico, D. L. (4 ME)	Blacksburg	Rowland, L. M. (1 TM)	Walhalla
Plowden, A. D. (4 ME)	Sumter	Russo, M. E. (4 CE)	New York, N. Y.
Plyler, C. D. (3 Ind Ed)	Lancaster	Rutledge, W. T. (4 TC)	Greenville
Poag, W. M. (4 TM)	Joanna	Rye, C. L. (2 EE)	Columbia
Ponder, W. R. (4 A&S)	Williston	Salley, N. R. (4 Agron)	Salley
Porcher, F. P. (4 EE)	Charleston	Sanders, C. B. (3 TM)	Anderson
Porter, R. B. (3 CE)	Winnsboro	Sanders, J. D. (1 E-CE)	Blacksburg
Porter, V. C. (4 VAE)	Williston	Sanders, K. R. (4 Arch)	Gaffney
Potter, A. W. (4 CE)	Spartanburg	Sanders, L. H. (4 Agron)	Union
Poulos, J. T. (4 Ar En)	Spartanburg	Sanders, R. M. (1 E-Ag En)	Frogmore
Powell, H. B. (4 ME)	Spartanburg	Sanders, S. L. (4 EE)	Naval Base
Price, G. R. (3 Arch)	Columbia	Sapp, E. F. (4 Ind Phys)	Albany, Ga.
Price, J. L. (4 AH)	Gaffney	Sarracino, J. J. (1 Ed)	La France
Pridgeon, H. L. (2 Ar En)	Spartanburg	Sarratt, J. H. (3 Agron)	Gaffney
Prince, E. W. (4 Ag Ec)	Gurley	Saunders, C. E. (2 EE)	East Gastonia, N. C.
Prince, R. M. (2 Ag En)	Lynchburg	Schaufelberger, A. H. (2 A&S)*	East Islip, N. Y.
Prince, W. R. (2 A-AH)	Iva	Schlock, A. A. (3 VAE)	Westminster
Pruitt, G. J. (4 TM)	Greer	Schrader, E. D. (3 TM)	Spartanburg
Pruitt, J. M. (4 Ag En)	Anderson	Schrader, M. W. (4 ME)	Spartanburg
Pruitt, J. R. (4 TM)	Anderson	Schroder, W. J. (2 TM)	West Union
Pruitt, L. G. (4 TM)	Anderson	Schuettler, R. W. (1 TM)	Elizabethton, Tenn.
Pruitt, L. H. (3 TM)	Anderson	Scott, E. B. (S)	Clemson
Pruitt, M. R. (2 TM)	Anderson	Scott, J. C. (2 TM)	Columbia
Pusser, L. W. (4 TM)	Chesterfield	Scott, R. B. (3 AH)	York
Putnam, S. R. (PG Arch)	Greenville	Seaborn, G. B. (4 EE)	Central
Quinn, E. W. (3 Ag En)	Spartanburg	Seaborn, G. W. (4 VAE)	Walhalla
Quinn, J. M. (3 TM)	Inman	Seabrook, E. M. (4 CE)	Mt. Pleasant
Rabon, W. J. (2 Arch)	Marion	Sears, W. B. (4 TM)	Clemson
Ragsdale, L. M. (1 E-CE)	Honea Path	Seigler, M. V. (S)*	Walhalla
Raines, H. M. (2 A)	Mountain Rest	Sellers, R. (2 EE)	Gaffney
Raines, R. M. (2 Arch)	Miami, Fla.	Setzer, J. L. (4 A&S)	Canton, N. C.
Raines, W. G. (2 TM)*	Greenville	Senn, G. A. (2 TM)	Spartanburg
Rainsford, T. H. (4 Dairy)	Edgefield	Shadwell, H. C. (4 EE)	Columbia
Ramsey, P. E. (3 VAE)	Gaffney	Shain, C. W. (3 TM)	Paterson, N. J.
Reeder, W. T. (3 EE)	Laurens	Shaw, R. E. (3 TM)	Seneca
Reeves, A. N. (3 A&S)	Ravenel	Shealy, P. S. (4 A&S)	Batesburg
Reeves, E. R. (3 A&S)	Branchville	Shealy, R. N. (2 TM)	Columbia
Reid, H. W. (3 Ind Ed)	Piedmont	Shedd, G. R. (2 TM)	Winnsboro
Reutershan, H. W. (1 A&S)*	Springfield, N. J.	Sheffler, J. H. (3 ME)	Niles, Ohio
Reynolds, L. D. (S)	Timmons ville	Shehan, D. B. (1 E-TE)	Pickens
Reynolds, P. G. (2 Ar En)	Sumter	Shelley, R. (3 VAE)	Nichols
Rhame, D. D. (2 Chem)	Denmark	Shirley, J. H. (2 EE)	Gaffney
Rhoney, T. B. (4 TM)	Spartanburg	Shirley, J. L. (4 A&S)	Sandy Springs
Rhodes, D. (2 A-Dairy)	Estill	Shirley, J. R. (1 TM)	Greenville
Rhynne, F. L. (4 TM)	Gastonia, N. C.	Shugart, W. H. (2 VAE)	Sumter
Rice, J. H. (3 A&S)	Charleston	Shuler, J. O. (4 AH)	Holly Hill
Rice, M. A. (3 Arch)	Florence	Shuler, W. A. (2 Ag En)	Rembert
Richardson, B. G. (4 Pre-Med)	Pomaria	Sightler, C. W. (4 TM)	Greenville
Richbourg, J. A. (4 CE)	Summerton	Sigmon, L. J. (1 TM)	Newton, N. C.
Richbourg, J. B. (4 Pre-Med)	Union	Sikes, B. R. (4 ME)	Spartanburg
Richey, J. W. (2 TM)	Ware Shoals	Simmons, W. H. (1 Arch)	Long Island City, N. Y.
Riddle, C. O. (3 CE)	Fountain Inn	Simonds, J. D. (4 ME)	Orlando, Fla.
Riddle, L. (3 TM)	Greenville	Simpson, D. E. (3 ME)	South Charleston, W. Va.
Ridenhour, G. C. (3 TM)	Greenville	Simpson, J. I. (4 Ar En)	Piedmont
Rion, R. G. (1 TC)	Hartsville	Simpson, R. E. (3 VAE)	Lancaster
Risher, E. D. (3 AH)	Ellenton	Sims, J. L. (2 A-Hort)	Orangeburg
Rivera, A. M. (1 E-ME)	Guantanamo, Cuba	Sims, R. M. (3 Hort)	Spartanburg
Roberts, W. P. (3 Ag Ec)	Lugoff	Sinclair, A. R. (2 EE)	Forest Park, Ga.
Robinson, L. H. (S)	Greenville	Skelton, C. (4 TM)	Anderson
Roche, J. J. (1 E-TE)*	Sumter	Sloan, P. H. (4 A&S)	Anderson
Rochester, D. E. (4 TE)	Walhalla	Sloan, W. A. (4 Arch)	Anderson
Rochester, J. R. (3 A&S)	Greenville	Slone, A. R. (S)*	Spartanburg
Rogers, A. T. (1 TM)*	Easley	Small, D. E. (2 VAE)*	Davidson, N. C.
Rogers, H. F. (1 A-Dairy)*	Central	Smarr, A. W. (3 Ind Ed)	Hickory Grove
Rogers, J. C. (4 CE)	Cowpens	Smith, B. M. (3 TM)	Columbia
Rogers, R. L. (4 EE)	Charleston	Smith, C. B. (3 Arch)	Gaffney
Rogers, S. A. (2 ME)	Mauldin	Smith, E. J. (4 TM)	Buffalo
Rollins, V. A. (1 E-ME)	Greenville		
Rollins, W. (2 TM)	Kershaw		
Roof, M. L. (3 TM)	Chester		

Name and Course	Address	Name and Course	Address
Smith, E. T. (1 Pre-Med)*	Branchville	Trowell, L. M. (4 AH)	Lena
Smith, H. E. (4 TM)	Dover, N. C.	Turner, A. N. (4 A&S)	Reidsville, N. C.
Smith, H. L. (4 TM)	Conover, N. C.	Turner, T. J. (S)	Laurinburg, N. C.
Smith, I. (S)	Pickens	Turner, T. P. (2 Ar En)	Gaffney
Smith, J. B. (2 TM)	Florence	Turner, W. W. (4 Ag En)	Travelers Rest
Smith, J. E. (1 A&S)	Greenville	Tyler, H. K. (1 E-ME)	Hampton, Va.
Smith, J. G. (3 AH)	Orangeburg	Van Ham, R. N. (3 TM)	Auburn, Maine
Smith, J. O. (4 CE)	Elberton, Ga.	Varner, J. F. (3 Ind Ed)	Ashland, Ga.
Smith, J. W. (3 Hort)	Lancaster	Varner, J. R. (3 TM)	Buffalo
Smith, K. (3 EE)	Duncan	Vaughn, W. D. (3 Ar En)	Union
Smith, K. B. (3 A&S)	Savannah, Ga.	Veal, C. D. (3 ME)	Cedartown, Ga.
Smith, R. D. (4 ME)	Belton	Vehorn, B. L. (3 ME)	Boston, Mass.
Smith, R. E. (2 A-Agron)	Mullins	Vermillion, R. J. (4 VAE)	Ware Shoals
Smith, W. E. (1 Ar En)	Charleston	Vernon, R. J. (4 Ind Ed)	Greenville
Smith, W. W. (3 AH)	Bowman	Vickery, L. L. (1 Pre-Med)	Central
Snead, J. D. (2 TM)	Seneca	Vinson, J. L. (4 TM)	Union
Snipes, J. W. (4 A&S)	Marion	Wade, R. W. (3 ME)	Greenville
Soffe, J. F. (3 TM)	Graniteville	Walker, H. O. (3 Ar En)	Union
Southerlin, R. C. (1 A&S)*	Marietta	Wallace, T. E. (4 Agron)	Bennettsville
Sowell, J. B. (3 ME)	Asheville, N. C.	Wallace, W. W. (1 TM)*	Seneca
Sperry, C. B. (4 TM)	Spartanburg	Walpole, J. L. (3 CE)	Frogmore
Sprouse, E. B. (2 TM)	Travelers Rest	Walser, J. F. (4 TE)	Salisbury, N. C.
Stallworth, W. H. (4 TM)	Spartanburg	Walters, D. M. (2 CE)	Salisbury, N. C.
Stamey, J. M. (4 Ag En)	Dewey Rose, Ga.	Walters, H. R. (1 E-ME)	St. George
Stanley, G. F. (1 VAE)	Loris	Walton, G. T. (4 A&S)	Belton
Stephens, J. H. (2 TM)	Greenville	Walton, W. L. (4 ME)	Ellenton
Stillwell, W. A. (1 E-ME)	Conway	Ward, R. D. (1 A)	Chester
Stillwell, J. R. (1 Pre-Med)	Charleston	Ware, C. B. (3 Agron)	Due West
Stoddard, L. C. (2 VAE)	Fountain Inn	Warman, L. L. (1 A-Ag Ec)	Danville, Ind.
Stokes, A. T. (3 ME)	Greer	Warren, J. F. (1 E-CE)*	Charlotte, N. C.
Stone, C. B. (3 TM)	Williamston	Warren, T. A. (4 AH)	Prosperity
Stover, F. R. (2 VAE)	Kershaw	Watkins, F. M. (3 EE)	Greenville
Stribbling, C. V. (4 A&S)	Seneca	Watkins, J. M. (S)	Clemson
Strickland, C. H. (3 Dairy)	Oakboro, N. C.	Watson, A. W. (4 CE)	Easley
Strug, J. P. (4 EE)	Union	Watson, C. K. (4 Dairy)	Anderson
Swett, J. A. (1 A-Poul)	Dunbarton	Watson, H. J. (4 EE)	Anderson
Swittenberg, R. L. (2 A&S)	Anderson	Watt, E. B. (PG Arch)	Hartsville
Taber, W. R. (3 ME)	Greenville	Watt, F. L. (2 TM)	Pelzer
Tankersley, C. E. (3 EE)	Augusta, Ga.	Watts, A. J. (4 ME)	Mayesville
Tarrant, W. B. (2 EE)	Columbia	Way, R. E. (4 ME)	Branchville
Taylor, B. E. (4 TM)	Greer	Weaver, G. E. (2 A-Hort)	Darlington
Taylor, G. H. (4 Hort)	Gilbert	Weeks, J. J. (2 ME)	Charlotte, N. C.
Taylor, K. Z. (1 E-EE)	Liberty	Weeks, P. H. (3 Ag En)	Aiken
Taylor, R. F. (2 VAE)	Gilbert	Weldon, R. D. (2 TM)	Charleston
TeBow, J. R. (4 A&S)	Augusta, Ga.	Welsh, F. M. (PG ME & TE)*	Abbeville
Temple, W. W. (2 TM)	Level Land	Welsh, W. T. (2 ME)	Anderson
Terry, A. M. (3 EE)	Iva	Wenck, F. W. (1 Pre-Med)	Fountain Inn
Terry, J. E. (2 VAE)	Iva	West, R. K. (3 VAE)	Cameron
Thiele, H. J. (4 EE)	Charleston	Westbrook, R. A. (3 VAE)	Blacksburg
Thomas, C. H. (3 Ag En)	Holly Hill	Weston, T. I. (3 ME)	Columbia
Thomas, H. C. (1 VAE)	Waterloo	Whelless, H. H. (3 Ag En)	Thomaston, Ga.
Thompson, A. L. (3 Ind Phys)	Anderson	Whetstone, W. V. (2 TM)	Denmark
Thompson, C. A. (2 TM)	Georgetown	Whitaker, C. A. (1 TC)*	Union
Thompson, H. H. (2 TM)	North Augusta	Whitaker, R. L. (4 TE)	Union
Thompson, J. C. (3 TM)	Honea Path	White, L. G. (3 ME)	Gaffney
Thompson, W. L. (2 TC)	Honea Path	White, W. P. (3 EE)	Greenville
Thorne, W. C. (4 EE)	Sumter	Whitehead, C. J. (2 TM)	Greenville
Tidwell, R. (1 E-CE)	Greenville	Whitesides, H. S. (2 EE)	Chester
Till, C. E. (3 VAE)	Ruffin	Whitfield, N. C. (2 TM)	Townville
Till, H. G. (3 Ag En)	Orangeburg	Whitmire, J. B. (3 VAE)	Griffin, Ga.
Tiller, J. W. (2 A-Agron)	Mayesville	Whitmire, R. J. (3 A&S)	Asheville, N. C.
Timms, S. M. (4 TE)	Anderson	Whitten, D. L. (2 TM)	Pell City, Ala.
Tinsley, J. A. (4 Ind Ed)	Easley	Whittle, R. O. (1 E-CE)*	Ward
Tinsley, S. W. (2 Ag Ec)	Spartanburg	Wilbanks, J. T. (1 TM)	Clemson
Tobin, H. M. (3 TC)	North Charleston	Wiley, H. S. (3 ME)	McCormick
Todd, J. N. (3 ME)	Washington, D. C.	Wilkerson, F. M. (4 A&S)	Hickory Grove
Todd, R. M. (4 TM)	Anderson	Williams, D. D. (4 TE)	Georgetown
Tompkins, P. P. (3 ME)	Summerville	Williams, H. R. (1 A-Poul)	Smoaks
Toney, C. C. (4 TM)	Richland	Williams, J. F. (G)	York
Toomey, W. G. (1 E-Ag En)	Mount Holly, N. C.	Williams, J. K. (2 TE)	McBee
		Williams, J. S. (4 TM)	Anderson
Trakas, P. N. (4 Pre-Med)	Spartanburg	Williams, L. E. (2 Ar En)	Hampton, Va.
Tripp, P. D. (2 CE)	Greenville	Williams, R. N. (3 TM)	Spartanburg
Trotter, M. (1 TM)	Greenville	Williams, V. K. (1 VAE)	Swansea

Name and Course	Address	Name and Course	Address
Williams, W. C. (3 Ind Ed) -----	Central	Woodcock, F. E. (4 Ag Ec) -----	Pelzer
Williamson, D. H. (2 ME) -----	Florence	Woodfin, J. W. (2 Ag En) -----	Inman
Williamson, D. M. (3 ME) -----	Naval Base	Woodward, A. Q. (3 A&S) -----	Aiken
Williamson, N. E. (4 AH) -----	McConnellsville	Woodward, N. E. (1 E-Ag En) -----	Aiken
Willimon, C. P. (4 Poul) -----	Greenville	Wooten, L. E. (3 Ch En) -----	Greenville
Willis, S. M. (3 TM) -----	Greenwood	Worth, H. P. (3 TE) -----	Greenville
Wilson, C. A. (1 A-AH) -----	Bamberg	Worthy, H. R. (4 ME) -----	Lockhart
Wilson, C. W. (4 Ag En) -----	Landrum	Wright, F. D. (4 CE) -----	Biltmore, N. C.
Wilson, J. K. (4 A&S) -----	Wellford	Wright, H. G. (4 EE) -----	Shelton
Wilson, M. C. (4 CE) -----	Darlington	Wrightenberry, E. G. (1 Ed) -----	Burlington, N. C.
Wilson, R. G. (2 EE) -----	Greenwood	Wylie, W. L. (3 TE) -----	Winnsboro
Wilson, T. C. (1 E-ME) -----	Greenwood	Wylie, W. O. (3 TM) -----	Chester
Winburn, W. C. (4 VAE) -----	Hartsville	Yarborough, F. K. (4 ME) -----	Mooresboro, N. C.
Windsor, W. D. (3 TM) -----	Pell City, Ala.	Yarbrough, D. R. (4 TM) -----	York
Wingard, H. C. (4 TE) -----	Lexington	Yeargin, G. A. (4 Arch) -----	Anderson
Wingard, R. D. (1 A-AH) -----	Lexington	Yecko, G. F. (3 Arch) -----	McDonald, Pa.
Wolfe, E. C. (3 AH) -----	Inman	Young, E. R. (4 TM) -----	Honea Path
Wolfe, G. A. (3 VAE) -----	Inman	Young, S. R. (1 TM) -----	Sumter
Wood, A. L. (3 TE) -----	Newberry	Zatcoff, A. (1 TM) -----	Philadelphia, Pa.
Wood, L. A. (4 TM) -----	Ware Shoals		

**NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM
1949 SUMMER TERM**

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Architectural Engineering	Architecture	Chemical Engineering	Chemistry-Engineering	Civil Engineering
Senior -----	49	20	0	32	5	9	1	9	10	1	1	50
Junior -----	45	13	1	16	3	7	1	9	23	1	0	14
Sophomore -----	45	11	0	12	1	5	3	3	8	2	0	9
Freshman -----	20	5	1	8	1	10	1	2	5	0	0	9
Postgraduate -----												
Graduate -----												
Special -----												
Total -----	159	49	2	68	11	31	6	23	46	4	1	62

Classification	Electrical Engineering	Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Education	Industrial Education	Vocational Agricultural Education	Postgraduate	Graduate	Special	Enrollment by Classes
Senior -----	39	42	5	30	30	1	14	23				402
Junior -----	20	33	4	9	52	4	20	17				802
Sophomore -----	23	31	2	5	55	1	8	16				252
Freshman -----	14	19	2	6	36	7	1	9				156
Postgraduate -----									13			13
Graduate -----										6		6
Special -----											21	21
Total -----	96	125	13	51	244	13	43	65	13	6	21	1152

ENROLLMENT BY COUNTIES AND STATES 1949 SUMMER TERM

<i>County</i>	<i>Total</i>	<i>State or Country</i>	<i>Total</i>
Abbeville -----	11	Alabama -----	4
Aiken -----	25	Connecticut -----	1
Allendale -----	2	Costa Rica -----	1
Anderson -----	100	Cuba -----	2
Bamberg -----	9	District of Columbia -----	5
Barnwell -----	4	Florida -----	5
Beaufort -----	9	Georgia -----	49
Berkeley -----	2	Illinois -----	1
Calhoun -----	4	Indiana -----	2
Charleston -----	33	Louisiana -----	1
Cherokee -----	22	Maine -----	1
Chester -----	22	Massachusetts -----	4
Chesterfield -----	11	Minnesota -----	1
Clarendon -----	6	Mississippi -----	2
Colleton -----	4	Missouri -----	2
Darlington -----	13	New Jersey -----	6
Dillon -----	3	New York -----	11
Dorchester -----	6	North Carolina -----	79
Edgefield -----	10	Ohio -----	1
Fairfield -----	13	Pennsylvania -----	7
Florence -----	23	South Carolina -----	943
Georgetown -----	12	South Dakota -----	1
Greenville -----	120	Tennessee -----	12
Greenwood -----	20	Virginia -----	8
Hampton -----	7	West Virginia -----	3
Horry -----	14		
Jasper -----	1	Grand Total -----	1152
Kershaw -----	4		
Lancaster -----	9		
Laurens -----	22		
Lee -----	7		
Lexington -----	7		
Marion -----	11		
Marlboro -----	5		
McCormick -----	4		
Newberry -----	14		
Oconee -----	65		
Orangeburg -----	30		
Pickens -----	63		
Richland -----	26		
Saluda -----	7		
Spartanburg -----	76		
Sumter -----	21		
Union -----	26		
Williamsburg -----	3		
York -----	37		
South Carolina Total -----	943		

LIST OF STUDENTS, FIRST SEMESTER, 1949-1950

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry; A&S-Arts and Sciences, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Cr En-Ceramic Engineering, Ch En-Chemical Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing; Ed-Education, Ind Ed-Industrial Education VAE-Vocational Agricultural Education.

New students admitted in September, 1949, are indicated by an asterisk (*); part-time students by a dagger (†).

Name and Course	Address	Name and Course	Address
Abbott, J. R. (2 ME)*	Walhalla	Allen, W. W. (3 Agron)	Spartanburg
Abbott, M. T. (1 A&S)*	Westminster	Alley, J. P. (2 A-Ent)*	Macon, Ga.
Abercrombie, C. F. (1 E-Ag En)*	Taylors	Allison, H. G. (3 TM)	Gaffney
Abercrombie, H. O. (4 ME)	Central	Allison, J. D. (2 VAE)	Pauline
Ackerman, C. L. (2 A&S)	St. George	Allison, J. M. (1 E)*	Albany, Ga.
Ackerman, C. W. (1 A)*	Cottageville	Allison, W. H. (1 E-EE)*	Blacksburg
Adams, B. R. (4 TM)	Anderson	Allston, P. B. (1 A)*	Charleston
Adams, F. W. (2 TM)	Laurens	Altman, A. C. (3 Agron)	Galivants Ferry
Adams, G. L. (4 ME)	Spartanburg	Ameen, W. O. (4 Ar En)	Winnsboro
Adams, J. E. (1 Pre-For)*	Charleston	Amick, W. A. (3 TM)	Rock Hill
Adams, T. R. (1 A-AH)	Timmons ville	Ammons, J. B. (2 A-Agron)	Hartsville
Adams, W. A. (3 A&S)	North Charleston	Anagnost, N. P. (1 E-CE)	Greenwood
Adams, W. S. (4 A&S)	Clemson	Anderson, B. G. (2 EE)*	Travelers Rest
Addabbo, D. J. (2 Arch)	New York, N. Y.	Anderson, C. P. (4 TM)†	Lexington, N. C.
Addis, L. G. (3 TM)	Walhalla	Anderson, G. B. (3 Pre-Med)	Chester
Addy, N. W. (1 TM)	Lexington	Anderson, J. J. (1 E-EE)*	Lowrys
Adickes, H. F. (4 Pre-Med)	York	Anderson, J. P. (1 TM)*	Piedmont
Aguilar, J. E. (4 TM)	Alajuela, C. R.	Anderson, J. R. (4 TM)	Elmhurst, Ill.
Aiken, D. A. (4 TM)	Winnsboro	Anderson, M. H. (1 A)*	Timmons ville
Aiken, F. J. (3 TM)	Greenville	Anderson, R. B. (4 Poul)	Sleepy Eye, Minn.
Aiken, F. V. (3 TM)	Bath	Anderson, S. G. (2 Pre-Med)	Glen Rock, N. J.
Aiken, M. (4 EE)	Nimmons	Anderson, S. H. (1 E-Ag En)*	Timmons ville
Aimar, L. B. (2 Ar En)	Charleston	Anderson, W. B. (1 A&S)*	Georgetown
Akers, D. J. (4 Hort)	Carrollton, Ky.	Anderson, W. D. (1 A&S)*	Summersville
Akers, M. F. (1 A&S)	Atlanta, Ga.	Andrews, C. E. (1 Pre-Med)*	Hartsville
Alldous, G. C. (3 EE)	Naval Base	Andrews, L. R. (4 Ind Ed)	Elliott
Aldrich, H. E. (1 E-ME)*	Anderson	Andrews, L. V. (4 TM)	Cedartown, Ga.
Aldrich, R. B. (1 Chem)	Charleston	Andrews, W. P. (3 ME)	Greenville
Alexander, B. M. (3 TM)	Lyman	Andrews, W. T. (3 ME)	Greenville
Alexander, J. F. (G)†	Clemson	Andryaitis, A. J. (2 TM)	Pittsburgh, Pa.
Alexander, J. K. (2 A-Agron)	Bishopville	Angle, D. T. (3 A&S)	East Gastonia, N. C.
Alexander, James M. (1 Ind Ed)*	Walhalla	Anthony, J. C. (1 Pre-Med)*	Buffalo, N. Y.
Alexander, Julian M. (2 CE)	Westminster	Archer, C. L. (4 A&S)	Anderson
Alexander, M. C. (3 Chem)	Walhalla	Armstrong, W. F. (2 EE)*	Honea Path
Alexander, M. W. (2 A-Agron)	Westminster	Arndt, O. G. (3 Ar En)	Orangeburg
Alexander, W. Ray (4 AH)	Bishopville	Arnold, D. T. (1 E-TE)*	Clanton, Ala.
Alexander, W. Richardson (3 TM)	Aiken	Arnold, M. D. (1 Chem)*	Hamlet, N. C.
Alband, W. A. (2 Cr En)	Spartanburg	Arnold, T. L. (3 CE)	Woodruff
Allen, C. G. (4 Ag En)	Latta	Arnold, T. R. (3 Arch)	Anderson
Allen, H. W. (2 VAE)	Clio	Arnts, G. W. (4 CE)	North Tonawanda, N. Y.
Allen, J. L. (2 VAE)	Clio	Aronson, A. A. (G Chem)	Raleigh, N. C.
Allen, L. D. (4 EE)	Savannah, Ga.	Arrington, J. D. (3 Ag En)	Ninety Six
Allen, L. R. (1 VAE)	Kings Creek	Arthur, H. T. (4 A&S)	Bristol, Tenn.
Allen, O. L. (4 CE)	West Union	Arthur, R. A. (PG CE)	Spartanburg
Allen, R. L. (G ME)	Greenville	Arthur, W. C. (1 E-ME)*	Bristol, Tenn.

Name and Course	Address	Name and Course	Address
Arve, J. E. (2 Pre-Med) ---	Cumberland, Md.	Barofsky, N. (1 TM)* ---	Brooklyn, N. Y.
Asbelle, C. T. (2 Arch) -----	Clearwater	Barr, W. H. (2 Ag En) -----	Rion
Asbury, R. R. (2 TE) -----	Taylors	Barrett, G. M. (3 TM) -----	Atlanta, Ga.
Ash, E. R. (4 ME) -----	Greenville	Barrett, R. F. (4 TM) -----	Simpsonville
Ashby, W. T. (1 A)* -----	Florence	Barrineau, E. R. (4 VAE) -----	San Antonio, Texas
Ashley, R. H. (3 Ed) -----	Iva	Barrow, J. O. (3 TM) -----	North Augusta
Ashley, W. T. (3 Pre-Med) -----	Pikeville, Ky.	Bartlett, F. O. (2 TM) -----	Spartanburg
Ashmore, R. C. (3 Pre-Med) -----	Greenville	Barton, F. W. (3 Hort) -----	Aiken
Ashton, J. P. (3 TE) -----	Philadelphia, Pa.	Barton, J. T. (4 A&S) -----	Greer
Askins, S. E. (3 Ch En) -----	Kingstree	Barton, J. W. (1 E)* -----	Clearwater, Fla.
Asnip, G. (4 TE) -----	Greenville	Barton, T. E. (1 Ed) -----	Lancaster
Asnip, W. D. (1 TM)* -----	Greenville	Bass, F. J. (1 Pre-Med)* -----	Mullins
Atkins, W. G. (4 TM) -----	Anderson	Bass, T. C. (3 Arch) -----	Greenville
Atkins, W. R. (2 A-AH) -----	Hamer	Bates, C. L. (1 Arch) -----	Charlotte, N. C.
Atkinson, C. W. (2 TM) -----	Chester	Bates, C. S. (1 E-EE)* -----	Moncks Corner
Atkinson, F. W. (4 Ag En) -----	Augusta, Ga.	Bates, E. L. (2 A-Dairy) -----	Neeses
Attaway, H. H. (2 Ind Ed) -----	North Charleston	Bates, L. L. (3 EE) -----	Greenville
Aughtry, J. E. (3 TM) -----	Lyman	Bates, S. W. (3 EE) -----	Naval Base
Auld, I. D. (3 VAE) -----	Mt. Pleasant	Batson, H. E. (3 TM) -----	Greenville
Auman, H. W. (1 TM)* -----	High Point, N. C.	Batson, H. G. (3 TM) -----	Laurens
Avant, A. L. (1 VAE)* -----	Marion	Bauknight, L. M. (Unc)† -----	Clemson
Aycock, E. R. (4 TM) -----	Greenville	Baxley, M. E. (1 A-AH)* -----	Mullins
Ayers, J. L. (1 E-EE)* -----	Piedmont	Beach, M. G. (3 Chem) -----	Walterboro
Bagwell, E. T. (1 Pre-Med)* -----	Atlanta, Ga.	Beach, R. L. (2 CE) -----	Walterboro
Bagwell, H. B. (4 ME) -----	Spartanburg	Beacham, W. C. (1 Arch)* -----	Greenville
Bailes, J. P. (1 E-Ag En)* -----	Union	Beall, J. H. (2 EE) -----	Chicago, Ill.
Bailey, C. H. (2 EE) -----	Allendale	Beam, J. D. (1 VAE)* -----	Cherryville, N. C.
Bailey, C. K. (2 TE) -----	Lockhart	Bearden, H. J. (4 TM) -----	Cliffside, N. C.
Bailey, G. T. (4 TE) -----	Greenville	Bearer, J. K. (2 A-AH) -----	Clemson
Bailey, J. H. (1 E-EE)* -----	Charleston	Beauss, W. A. (2 EE) -----	Columbus, Ga.
Bailey, R. B. (Unc)† -----	Clemson	Beattie, R. C. (2 CE)* -----	Augusta, Ga.
Bailey, T. A. (1 A-AH) -----	Naval Base	Beatty, C. H. (4 EE) -----	Dunbarton
Bailey, T. W. (4 CE) -----	Summerville	Bebeau, E. P. (1 TC)* -----	Schoolfield, Va.
Bailey, W. P. (4 A&S) -----	Greenwood	Bee, S. S. (1 E-Ag En)* -----	Charleston
Bain, O. L. (3 TM) -----	Greenwood	Beeks, J. R. (3 TE) -----	Greenville
Baker, A. E. (1 E-EE)* -----	Charleston	Beery, T. W. (1 E-ME) -----	Pooler, Ga.
Baker, E. R. (4 ME) -----	Great Falls	Behling, R. B. (3 EE) -----	St. George
Baker, G. H. (4 Agron) -----	Cades	Belger, J. H. (1 E-Ag En)* -----	Clio
Baker, L. K. (2 Pre-Med) -----	Sumter	Bell, G. E. (3 AH) -----	Cordova
Baker, M. C. (1 VAE)* -----	Harleyville	Bell, G. M. (3 Ar En) -----	Anderson
Baker, R. W. (2 TM) -----	Pageland	Bell, J. E. (4 ME) -----	Orangeburg
Baldwin, C. M. (3 AH) -----	Georgetown	Bell, J. P. (4 TM) -----	North Augusta
Baldwin, H. H. (1 TM)* -----	Darlington	Bell, J. R. (1 E-TE)* -----	Anderson
Baldwin, J. D. (4 Ag En) -----	Greenwood	Bell, R. R. (1 Ind Ed) -----	Pelzer
Baldwin, O. S. (2 Ind Ed) -----	Charleston	Bell, R. S. (2 A-Dairy) -----	Jefferson
Baldwin, W. E. (3 Chem) -----	Spartanburg	Bellamy, W. R. (1 VAE)* -----	Loris
Ball, S. E. (4 TM) -----	Greenville	Beller, E. J. (2 Ed) -----	Washington, D. C.
Ballenger, R. D. (4 TM) -----	Charlotte, N. C.	Benenhaley, H. (1 VAE)* -----	Bishopville
Ballenger, S. B. (4 TM) -----	Chattanooga, Tenn.	Benfield, P. L. (4 Ag En) -----	York
Ballentine, G. W. (1 TM) -----	Blythehood	Bennett, A. C. (1 A)* -----	Duncan
Ballentine, J. R. (2 Ag En) -----	Anderson	Bennett, R. C. (2 Chem)* -----	Belding, Mich.
Ballentine, W. W. (4 Ag Ec) -----	Blythehood	Bennett, R. J. (2 VAE) -----	Union
Ballow, C. B. (4 Ed) -----	Liberty	Benton, O. F. (4 TM) -----	Eufaula, Ala.
Ballow, H. M. (1 TC)* -----	Greenville	Benton, P. L. (2 A) -----	Timmonsville
Ballingier, W. H. (4 TM) -----	Atlanta, Ga.	Berger, K. (4 Ar En) -----	Baltimore, Md.
Balloch, J. T. -----	Travelers Rest	Bergh, C. M. (1 E-Ag En)* -----	Tifton, Ga.
Bankhead, J. E. (4 VAE) -----	Sharon	Berry, B. C. (3 Ag Ec) -----	Johnston
Banks, A. J. (4 EE) -----	St. Matthews	Berry, E. B. (Unc)† -----	Anderson
Bannister, J. A. (1 E-ME)* -----	Anderson	Berry, J. M. (2 A-Dairy) -----	Pelzer
Banta, R. (1 E-CE)* -----	Hawthorne, N. J.	Berry, P. H. (1 A-AH) -----	Saluda
Barbot, D. C. (3 EE) -----	Florence	Berry, R. M. (1 E-ME)* -----	Charleston
Barfield, W. M. (4 AH) -----	Sumter	Berry, R. W. (4 Chem) -----	Atlanta, Ga.
Barker, O. W. (1 A)* -----	Allendale	Berry, T. C. (1 TM)* -----	Greenville
Barker, R. E. (2 A-Hort) -----	Conway	Berry, W. E. (3 Agron) -----	Ellerbe
Barker, V. R. (3 Agron) -----	Allendale	Berry, W. W. (3 A&S) -----	Greenville
Barksdale, C. B. (1 E-EE)* -----	Greenwood	Besson, W. T. (4 A&S) -----	North Augusta
Barksdale, W. H. (3 VAE) -----	Gray Court	Bethel, W. P. (2 TM) -----	Charlotte, N. C.
Barnes, D. E. (4 Ind Phys) -----	Brevard, N. C.	Bettis, F. A. (4 Arch) -----	Greenville
Barnes, R. E. (4 TM) -----	Rutherfordton, N. C.	Beyer, F. W. (G Phys)† -----	Clemson
Barnett, E. W. (4 TM) -----	Great Falls	Bibby, M. E. (G Ed)† -----	Clemson
Barnett, J. C. (1 Pre-Med) -----	Marietta	Binnicker, M. G. (3 AH) -----	Norwal
Barnett, J. T. (3 Arch) -----	Memphis, Tenn.	Bird, T. F. (2 A-AH) -----	Inman
Barnett, W. C. N. (3 VAE) -----	Greer	Biser, H. H. (4 Ag En) -----	Columbia
Barnhill, B. G. (1 TC)* -----	Gaffney		

Name and Course	Address	Name and Course	Address
Bishop, B. A. (1 E-ME)	Cedar Mountain, N. C.	Bowen, W. K. (4 EE)	Piedmont
Bishop, B. T. (1 TM)*	Laurens	Bower, H. W. (3 ME)	Amsterdam, N. Y.
Bishop, G. J. (2 Cr En)	Savannah, Ga.	Bowers, G. W. (4 EE)	Central
Bishop, H. E. (3 Cr En)	Greer	Bowers, J. H. (3 Pre-Med)	West Union
Bishop, J. H. (1 TM)	Ware Shoals	Bowman, A. K. (2 CE)	Sumter
Bishop, M. B. (4 TM)	Landrum	Bowman, E. H. (1 E-TE)*	Clover
Bissell, A. A. (3 TE)	Spartanburg	Boyd, G. M. (4 ME)	Spartanburg
Bivins, R. L. (1 A-AH)*	Atlanta, Ga.	Boyd, H. S. (4 TM)	Laurens
Black, B. R. (2 TM)	Union	Boyd, James H. (1 E-ME)	York
Black, J. A. (4 TM)	York	Boyd, Joseph H. (2 ME)*	Toccoa, Ga.
Black, J. M. (4 TM)	Anderson	Boyd, P. A. (3 Ag Ec)	Loris
Black, R. G. (4 CE)	Rock Hill	Boyd, R. P. (3 TM)	Charlotte, N. C.
Blackmon, W. W. (1 Arch)*	Columbus, Ga.	Boyd, W. L. (3 TM)	York
Blackwelder, H. V. (2 Arch)	Clinton	Boykin, H. D. (3 Arch)	Boykin
Blackwell, H. D. (4 Arch)	Newry	Boykin, J. D. (4 A&S)	Georgetown
Blackwell, J. B. (2 Ag En)	Landrum	Boykin, T. O. (3 Ind Ed)	Camden
Blackwell, J. H. (3 TM)	Marion	Boykin, T. R. (3 ME)	McColl
Blair, A. E. (4 EE)	Greenville	Boykin, W. B. S. (4 Agron)	Boykin
Blair, E. W. (1 E-CE)	Spartanburg	Boyle, C. R. (2 Ar En)	Columbia
Blair, G. W. (2 EE)	Savannah, Ga.	Bozard, J. L. (3 Pre-Med)	Orangeburg
Blakely, L. J. (G VAE)†	Easley	Bozard, W. D. (3 TM)	Silverstreet
Blakely, W. M. (1 E-EE)*	Simpsonville	Brackett, G. D. (4 TE)	Rock Hill
Blanche, H. A. (1 TM)*	Amityville, N. Y.	Brackman, J. M. (2 A&S)*	Cornelia, Ga.
Bland, H. E. (3 Ag En)	Gaffney	Brackman, W. L. (2 A&S)*	Cornelia, Ga.
Bland, J. P. (4 A&S)	Johnston	Bradberry, R. C. (1 E-EE)*	Athens, Ga.
Blessing, A. L. (1 E-ME)	Kingsport, Tenn.	Bradfield, J. W. (4 CE)	Charlotte, N. C.
Blocker, D. D. (4 Hort)	Walterboro	Bradham, F. L. (3 Agron)	Sumter
Bloxham, A. W. (4 TC)	Lyman	Bradham, P. C. (3 Arch)	Sumter
Bloxham, H. C. (3 TM)	Lyman	Bradley, C. G. (3 Ag En)	Forest City, N.C.
Blume, E. S. (1 Arch)*	Columbia	Bradley, J. S. (1 A&S)*	Fort Benning, Ga.
Blythe, E. K. (2 EE)	Charleston	Bradley, W. F. (2 TM)	North Charleston
Blythe, J. W. (4 ME)	Pelzer	Brady, J. R. (1 A-Agron)*	St. Matthews
Boazman, E. R. (PG VAE)	Chappells	Bramlette, J. M. (1 TM)*	Laurens
Bobo, T. P. (4 TE)	Greenville	Brandt, G. F. (3 CE)	Augusta, Ga.
Bodle, W. J. (2 ME)	Anderson	Branham, M. C. (1 Pre-Med)*	Columbia
Boggs, A. D. (1 A-Agron)*	Seneca	Branham, R. A. (2 Ind Phys)	Atlanta, Ga.
Boggs, C. D. (G)	Seneca	Brannen, J. E. (4 AH)	Register, Ga.
Boggs, C. R. (1 TM)	Greenville	Brannon, C. C. (G)†	Clemson
Boggs, R. D. (1 A-Poul)	Central	Brantley, J. W. (1 E-CE)*	Chester
Boggs, R. H. (4 TC)	Anderson	Brennecke, H. J. (2 ME)	Walhalla
Boggs, T. L. (1 E-TE)*	Honea Path	Brenner, W. R. (3 Ar En)	Jamaica, N. Y.
Boissoneault, K. B. (2 ME)	Naval Base	Brett, D. J. (3 TM)	New York, N. Y.
Bolick, J. H. (1 A-Hort)	Marietta	Bridgeman, J. L. (2 TC)	Whitney
Bolt, C. H. (1 Pre-Med)*	Laurens	Bridges, R. A. (3 TM)	Joanna
Bolt, F. (1 E-EE)	Pendleton	Bridges, W. R. (1 E-TE)*	Simpsonville
Bolt, J. D. (1 Ar En)*	Greenville	Bridgman, M. B. (1 E-EE)*	Belton
Bomar, L. S. (3 TM)	Greenville	Bright, H. E. (4 TM)	Radford, Va.
Bond, L. P. (2 Arch)	Columbia	Brinkley, J. A. (2 A-Hort)	Signal Mountain, Tenn.
Bonds, J. E. (1 VAE)*	Fountain Inn	Brinson, A. D. (4 Ind Phys)	Wilmington, N. C.
Booker, F. W. (G Ed)†	Clemson	Brinson, H. E. (3 CE)	Savannah Beach, Ga.
Bookhart, S. W. (1 E-CE)*	Kingsree	Brisendine, R. S. (4 TE)	East Point, Ga.
Boone, C. F. (1 TM)	Orangeburg	Britton, R. R. (1 Ind Ed)	Chester
Booth, L. P. (4 Agron)	Sumter	Broadway, J. R. (4 Ag En)	Summerton
Boozer, E. L. (1 TM)*	Swansea	Broadwell, R. L. (2 TE)	Anderson
Boozer, E. W. (1 A-AH)	Leesville	Brock, D. C., Jr. (3 A&S)	Clemson
Boozer, H. S. (4 CE)	Denmark	Brock, D. C., Sr. (G Ag Ec)†	Clemson
Boozer, R. L. (2 VAE)	Lonestar	Brock, D. H. (1 E-EE)	Anderson
Boroni, H. L. (4 A&S)	Brooklyn, N. Y.	Brock, J. G. (4 TM)	Whitmire
Bostic, C. W. (1 Arch)*	Gaffney	Brock, O. D. (2 TM)	Whitmire
Boston, R. S. (4 ME)	Columbia	Brock, W. H. (1 TM)*	Fair Play
Boswell, D. F. (3 TM)	Manning	Brock, W. N. (1 A)*	Fair Play
Bouchard, R. H. (4 Ch En)	Fall River, Mass.	Brockman, E. D. (4 Ch En)	Greenville
Bouchillon, D. H. (1 E-Ch En)*	Greenville	Brockman, H. L. (3 TM)	Westminster
Boulware, M. D. (2 A-Dairy)	Anderson	Brockmann, H. E. (4 TM)	Charlotte, N. C.
Boulware, T. T. (1 E-CE)*	Winnboro	Brodie, B. M. (4 AH)	Aiken
Bourne, C. R. (3 A&S)	Georgetown	Brogdon, J. T. (2 A-Agron)	Manning
Bowen, D. B. (4 EE)	Pickens	Brooks, J. P. (2 ME)	Naval Base
Bowen, J. H. (3 Hort)	Westminster	Broome, J. W. (1 E-CE)*	Honea Path
Bowen, R. A. (2 TE)	Belton	Brower, R. C. (1 E-Ar En)*	Savannah, Ga.
Bowen, R. E. (3 TM)	Greenville	Brown, B. W. (G ME)	Starr
Bowen, R. H. (4 A&S)	Greenville	Brown, C. E. (1 TM)	Greenwood
Bowen, R. N. (3 CE)	Chesnee	Brown, C. M. (4 Agron)	Oswego
Bowen, R. R. (4 TE)	Greenville		

Name and Course	Address	Name and Course	Address
Brown, D. L. (1 E-Ag En)*	Florence	Byrd, J. A. (4 TM)	Greenville
Brown, E. R. (3 Ag Ec)	Iva	Calcutt, H. G. (1 A)*	Pamplico
Brown, G. W. (3 A&S)	Darlington	Calder, J. R. (1 A-AH)*	Mullins
Brown, J. A. (1 E-Ag En)*	Olar	Caldwell, G. C. (2 ME)*	Willow Grove, Pa.
Brown, L. E. (2 CE)	Starr	Calhoun, A. P. (4 A&S)	Savannah, Ga.
Brown, Ray C. (1 VAE)	Townville	Calhoun, J. D. (3 ME)	Ringgold, Ga.
Brown, Robert C. (4 AH)	Spartanburg	Calhoun, T. C. (1 Arch)*	Charlotte, N. C.
Brown, R. M. (3 Agron)	Iva	Callaham, J. F. (1 E-EE)*	Atlanta, Ga.
Brown, R. S. (3 TM)	Clemson	Calvert, F. G. (1 E-EE)*	Moultrieville
Brown, W. J. (4 A&S)	Walhalla	Calvert, J. H. (2 TM)	Spartanburg
Brown, W. S. (2 TM)	Spartanburg	Calvert, J. W. (3 TM)	Spartanburg
Bruce, M. E. (1 Pre-Med)*	Greer	Calvert, L. (4 TM)	Mount Holly, N. C.
Brumley, J. E. (4 TM)	Greenville	Calvert, T. E. (1 TM)	Honea Path
Bruner, G. E. (G Chem)†	Clemson	Cameron, E. L. (1 E-EE)	Saluda
Brunson, J. D. (1 E-ME)*	Manning	Cameron, J. T. (4 TM)	Chester
Brunson, J. W. (2 A-AH)	Sumter	Campbell, A. M. (1 A-Ag Ec)*	McCormick
Brunson, M. O. (3 Chem)	Estill	Campbell, B. C. (2 EE)	Greenville
Brunson, O. D. (1 E-ME)*	Ridgeland	Campbell, D. H. (3 TM)	Edgefield
Brunson, R. F. (2 ME)	Ridgeland	Campbell, E. (1 A-AH)*	Dillon
Brunson, W. E. (3 Ind Ed)	Sumter	Campbell, H. T. (1 TM)	Chester
Brutcher, C. K. (3 Pre-Med)	Savannah, Ga.	Campbell, J. B. (4 EE)	Inman
Bryan, W. J. (4 AH)	Walterboro	Campbell, J. G. (1 E-ME)*	Greenville
Bryant, E. R. (3 VAE)	Pacolet	Campbell, R. E. (1 Arch)*	Anderson
Bryant, H. O. (3 TM)	Liberty	Campbell, Wallace L. (3 TM)	Edgefield
Bryant, I. W. (4 TM)	Inman	Campbell, William L. (4 TM)	Greenville
Bryant, J. E. (1 Ed)	Savannah, Ga.	Cannfield, J. F. (4 Ag En)	Greenwood
Bryson, J. W. (2 EE)	Lyman	Cannada, R. L. (3 TM)	Taylors
Bryson, T. J. (2 A-AH)	Mountville	Cannon, J. G. (2 TC)	Clemson
Buchanan, H. H. (1 E-ME)*	Gastonia, N. C.	Cantrell, B. P. (1 Arch)*	Spartanburg
Buchanan, J. W. (2 TM)	Newberry	Capelle, D. G. (1 E-CE)*	Clemson
Buchanan, W. J. (1 A-Hort)	West Columbia	Caphton, D. L. (2 ME)	Savannah, Ga.
Buck, F. E. (1 E-CE)*	Sumter	Carden, L. D. (2 TM)	Chickamauga, Ga.
Buck, H. S. (3 TC)	Edgemoor	Carlisle, J. R. (1 E-EE)*	Calhoun Falls
Buckles, C. D. (1 A)	Salters	Carlisle, J. S. (1 E-TE)	Spartanburg
Buist, S. J. (3 A&S)	Blackville	Carlson, P. G. (3 TM)	North Augusta
Bull, J. H. (1 TM)	Taylors	Carlton, J. D. (1 E-ME)*	Blacksburg
Bullard, E. R. (1 TM)*	Brunson	Carmichael, C. F. (2 VAE)	Fork
Bundy, J. G. (4 CE)	Bennettsville	Carmichael, D. M. (1 E-TE)*	Dillon
Bunger, A. W. (3 ME)	Richmond, Va.	Carmichael, K. S. (2 TM)	Lynchburg
Burch, M. B. (3 A&S)	Florence	Carothers, J. F. (2 TM)	Rock Hill
Burdette, F. D. (2 ME)	Simpsonville	Carpenter, W. E. (1 E-ME)	Graniteville
Burdette, G. W. (1 E-ME)*	Greenville	Carr, W. B. (3 CE)	Laurens
Burdette, H. C. (1 E-TE)*	La France	Carr, W. G. (3 Ch En)	Union
Burdette, J. S. (4 CE)	Greenville	Carraway, H. S. (1 A&S)*	Georgetown
Burkett, V. R. (1 E-TE)*	Leesville	Carroll, C. R. (4 A&S)	Blackville
Burkins, R. E. (1 Arch)*	Baltimore, Md.	Carroll, E. R. (1 Ar En)	Spartanburg
Burley, D. H. (2 Ch En)	Clemson	Carroll, J. H. (4 TE)	Anderson
Burnett, W. C. (4 TM)	Johnston	Carroll, R. C. (1 Pre-Med)	Florence
Burnett, W. E. (3 TM)	Greelyville	Carson, C. E. (4 TM)	Union
Burns, E. W. (1 E-CE)*	Greenville	Carson, J. M. (1 TM)*	Kershaw
Burns, R. D. (1 VAE)*	McCormick	Carson, S. G. (1 Ar En)*	Central
Burns, W. C. (3 AH)	Georgetown	Carter, C. A. (2 ME)	Rock Hill
Burns, W. H. (G Ag Ec)†	Clemson	Carter, C. E. (1 E-EE)*	Augusta, Ga.
Burton, C. J. (2 ME)	Westminster	Carter, E. C. (4 Ch En)	Lamar
Burton, J. A. (4 Arch)	Greensboro, N. C.	Carter, E. W. (2 TM)	Columbia
Burwell, R. H. (2 A-AH)*	Rutherfordton, N. C.	Carter, G. R. (2 TM)	Anderson
Busbee, A. L. (1 E-TE)	Graniteville	Carter, J. R. (4 EE)	Greenville
Busby, A. F. (4 Dairy)	Anderson	Carter, T. (4 TC)	Langley
Bush, J. J. (4 Ag En)	Allendale	Carter, W. G. (3 Ed)	Greenville
Bussey, J. C. (2 Ag En)	Hagood	Carver, A. B. (4 EE)	Greenville
Butler, E. A. (2 CE)	Youngstown, Ohio	Casale, R. C. (1 Arch)*	Jamaica, N. Y.
Butler, E. J. (1 A)*	Lexington	Case, G. F. (2 TM)	Liberty
Butler, L. C. (1 TM)*	Mooresville, N. C.	Cash, C. D. (2 ME)*	Philadelphia, Pa.
Butler, R. D. (1 E-Ch En)*	Greenville	Cash, W. G. (3 TM)	Taylors
Butts, T. A. (1 Arch)*	Bloomfield, N. J.	Caskey, W. J. (3 Ag Ec)	Lancaster
Butts, W. W. (3 Hort)	Walhalla	Cason, C. R. (1 E-ME)	Walhalla
Buxton, J. F. (3 TM)	Sardis, Ga.	Cason, P. N. (2 ME)	Brunswick, Ga.
Buzzell, W. V. (1 Arch)	Augusta, Maine	Cassell, J. H. (3 Arch)	Pickens
Byars, G. H. (1 E-Ag En)*	Lowrys	Cassidy, W. B. (2 TE)	Hartsville
Byers, B. M. (1 E-ME)*	Myers	Castles, D. F. (4 EE)	Winnsboro
Byrd, C. R. (1 Arch)*	Greenville	Castles, R. L. (1 E-ME)	Winnsboro
Byrd, E. A. (4 CE)	Branchville	Castles, T. P. (3 AH)	Great Falls
Byrd, G. E. (1 A)*	Hartsville	Castles, T. S. (1 TM)*	Winnsboro
		Cates, J. M. (4 Arch)	Savannah, Ga.

Name and Course	Address	Name and Course	Address
Cates, J. W. (3 ME)	Seneca	Clinkscales, M. M. (4 TM)	Abbeville
Cathcart, J. F. (3 TM)	Bishopville	Clinkscales, P. H. (1 A-AH)*	Honea Path
Caulbe, R. N. (G Phys)†	Salisbury, N. C.	Cloud, J. D. (2 Ch En)	Orlando, Fla.
Caudill, J. B. (2 A-Ag Ec)*	Ronda, N. C.	Cloud, R. P. (2 Ind Ed)	Kingsport, Tenn.
Caudill, V. S. (2 A)	Star, N. C.	Coarsey, R. W. (2 A-Dairy)	Trion, Ga.
Caulder, S. L. (3 VAE)	Lake City	Coates, R. M. (1 E-CE)*	Mountville
Causey, C. E. (4 AH)	Furman	Cobb, T. E. (2 TE)	Lyman
Cauthen, J. R. (1 E-Ag En)	Heath Springs	Cobb, W. H. (2 EE)	Columbia
Cauthen, M. B. (3 VAE)	Heath Springs	Cochran, P. (1 E-Ag En)*	East Point, Ga.
Cauthen, M. F. (1 TM)	Rock Hill	Cochran, W. R. (4 Ind Ed)	Seneca
Cecil, O. K. (4 Ar En)	Spartanburg	Cochran, W. T. (3 TE)	Greenville
Chagaris, W. J. (1 E-CE)*	Gastonia, N. C.	Cofer, C. M. (3 Ag En)	Charlotte, N. C.
Chalker, A. L. (4 ME)	South Orange, N. J.	Coggins, J. E. (1 VAE)*	Inman
Chalmers, L. V. (4 TM)	Greenwood	Cohen, P. B. (3 Agron)	Waynesboro, Ga.
Chambers, H. C. (4 CE)	Beaufort	Coker, H. D. (1 A-AH)*	Kingstree
Chambers, J. E. (3 ME)	Piedmont	Coker, J. W. (1 Ed)	Turbeville
Chambers, R. W. (3 Ch En)	Hayesville, N. C.	Coker, T. H. (1 VAE)*	Pelzer
Chamblee, D. N. (1 A-Agron)*	Anderson	Coker, W. J. (2 VAE)*	Lake City
Chamblee, H. R. (1 E-Ag En)*	Anderson	Cole, C. M. (1 A)*	Buffalo, N. Y.
Chamness, E. (4 Ag En)	Bennettsville	Cole, J. H. (1 TM)*	La France
Chamness, W. B. (3 Arch)	Bennettsville	Cole, T. W. (1 E-CE)*	Lancaster
Chandler, A. S. (2 Arch)*	Greensboro, N. C.	Coleman, C. D. (3 CE)	Anderson
Chandler, James A. (3 CE)	Clinton	Coleman, C. E. (3 TC)	Brunswick, Ga.
Chandler, Joseph A. (1 E-ME)*	Murrells Inlet	Coleman, C. F. (2 CE)	Greenwood
Chandler, T. N. (1 Ed)	Greenwood	Coleman, P. W. (1 A-Dairy)	Mountville
Chaplin, H. M. (3 Agron)	Neeses	Coleman, T. E. (4 CE)	Mountville
Chapman, J. W. (3 TM)	Spartanburg	Coleman, W. R. (3 CE)	Anderson
Chapman, P. M. (1 Pre-Med)	Anderson	Collings, T. A. (4 Pre-Med)	Clemson
Chapman, V. L. (1 TM)*	Pelzer	Collins, E. B. (2 VAE)*	Campobello
Chapman, W. F. (1 A)*	Belton	Collins, H. (1 A-Ent)*	Anderson
Chariker, R. A. (1 E-EE)*	Clover	Collins, M. A. (2 Ind Ed)	Walhalla
Charles, T. L. (3 EE)	Greenwood	Collins, R. F. (4 Ind Phys)	Greenville
Chason, M. L. (2 VAE)*	Cairo, Ga.	Collins, W. J. (1 TM)	Westminster
Chastain, J. D. (3 VAE)	Taylors	Collins, W. L. (1 A&S)*	Georgetown
Childress, J. L. (3 TM)	Fort Knox, Ky.	Colvin, W. P. (1 Chem)*	Chester
Childress, J. R. (3 VAE)	Six Mile	Compton, C. J. (2 ME)	Hartsville
Childs, D. A. (1 TM)	Spartanburg	Compton, J. W. (1 Pre-Med)*	Laurens
Childs, E. N. (G)†	Central	Compton, T. E. (1 E-CE)*	Greenville
Childs, L. C. (1 Arch)	Columbia	Conder, J. W. (1 A-AH)*	Columbia
Chovan, T. M. (4 EE & Ind Phys)	Bethlehem, Pa.	Condon, F. E. (1 E-EE)*	Charleston
Christenbury, J. W. (3 TM)	Charlotte, N. C.	Cone, F. (2 VAE)	Coosada, Ala.
Christie, F. (2 CE)*	Palmyra, N. J.	Cone, M. M. (1 VAE)*	Coosada, Ala.
Christopher, J. A. (3 Ag En)	Landrum	Connell, W. J. (2 TM)	Greenville
Christopher, J. B. (2 Ind Ed)	Central	Connolly, H. M. (4 TM)	Ware Shoals
Ciarfello, M. J. (1 Ar En)	Hawthorne, N. J.	Connor, T. M. (4 Ag En & CE)	Bowman
Ciotti, W. A. (1 Ar En)	Lexington	Conte, A. L. (3 ME)	Central
Clanton, J. C. (3 A&S)	Charlotte, N. C.	Converse, S. W. (3 TM)	Spartanburg
Clanton, R. M. (4 A&S)	Darlington	Conway, J. W. (3 EE)	Somerville, Mass.
Clapp, J. C. (2 ME)	St. Petersburg, Fla.	Coogler, W. W. (1 E-Ch En)*	Chester
Clardy, W. W. (4 A&S)	Arlington, Va.	Cook, D. L. (1 E-ME)	Kershaw
Clark, E. W. (1 TM)*	Lexington	Cook, J. C. (Unc)†	Clemson
Clark, G. L. (4 Ind Ed)	Johnston	Cook, James H. (1 VAE)*	Mullins
Clark, H. H. (1 E-TE)*	Greenville	Cook, Joseph H. (4 TM)	Travelers Rest
Clark, L. S. (3 AH)	Johnston	Cook, J. W. (1 E-EE)	Esasley
Clark, O. M. (3 TM)	Clemson	Cook, P. A. (2 TC)	Spartanburg
Clark, W. K. (4 TM)	Walhalla	Cook, R. M. (1 E-TE)*	Aiken
Clarke, A. H. (2 TM)	Laurens	Cook, W. T. (3 VAE)	Owings
Clarke, E. N. (2 EE)*	Savannah, Ga.	Cookson, F. E. (1 A&S)*	Clemson
Clarke, L. W. (4 AH)	Pineville	Cooler, D. B. (3 TM)	Plantersville
Clarkin, J. R. (3 Ar En)	Charleston	Cooley, C. H. (1 E-EE)*	Belton
Clarkson, H. C. (1 E-CE)	Cheraw	Coon, S. C. (1 E-ME)*	Greenville
Clayton, D. H. (3 Ch En)	Dorchester	Cooper, H. M. (4 TE)	Greenville
Clayton, L. A. (2 TM)	Greer	Cooper, J. B. (1 E-CE)*	Gray Court
Clayton, R. (1 TM)*	Inman	Cooper, L. R. (4 A&S)	Travelers Rest
Cleland, C. H. (3 ME)	Ridgeland	Cooper, R. E. (1 Pre-Med)	Columbia
Clement, C. W. (4 VAE)	Inman	Cooper, R. P. (4 VAE)	Andrews
Cleveland, J. O. (4 TM)	Anderson	Cooper, T. G. (1 Pre-Med)*	Columbia
Clevenger, C. W. (1 E-ME)	Piedmont	Cooper, W. P. (3 TM)	Columbia
Clifford, G. D. (1 A-AH)	Newton, Ga.	Corbett, W. E. (2 Ag En)	Mountville
Cline, S. L. (2 TC)	Conover, N. C.	Corbitt, M. R. (1 E-Ch En)*	St. Matthews
Clinkscales, H. S. (3 VAE)	Starr	Corley, E. A. (3 AH)	Greenwood
		Cornwell, J. B. (2 TM)	Great Falls
		Cornwell, M. M. (3 CE)	Fort Myers, Fla.
		Cornwell, N. S. (4 Arch)	Fort Myers, Fla.

Name and Course	Address	Name and Course	Address
Costello, W. V. (3 A&S)	Georgetown	Curran, J. F. (1 E-EE)	Churchland, Va.
Cothran, E. E. (3 TM)	Sandy Springs	Currie, A. C. (1 A)*	Harleyville
Cothran, J. B. (4 TM)	Sandy Springs	Currie, E. G. (1 VAE)	Lake View
Cothran, J. R. (4 Ag En)	Inman	Currie, L. G. (2 A-Ag Ec)	Clio
Cothran, O. R. (4 VAE)	Pickens	Curry, J. C. (1 Ar En)*	Batesburg
Cothran, W. J. (1 Ind Ed)*	Inman	Curry, J. M. (4 Agron)	Gray Court
Coursey, E. G. (3 ME)	Clearwater	Cushman, J. E. (3 Dairy)	Chester
Coursey, J. T. (4 Ar En)	Charlotte, N. C.	Cutchin, J. T. (2 ME)*	Portsmouth, Va.
Courtney, S. J. (3 TE)	Greenville	Dabney, W. D. (2 A-AH)	Lancaster
Courtney, R. O. (3 CE)	Johnston	Dalrymple, F. M. (1 TM)*	Mt. Croghan
Cousins, W. R. (4 ME)	Newberry	Dalton, A. A. (PG Ed)	Seneca
Covin, J. O. (1 E-EE)*	Belton	Dameron, R. M. (2 Chem)	Greenville
Covington, D. H. (2 Pre-Med)	Burnsville, N. C.	Damiano, G. (1 E-CE)	Providence, R. I.
Covington, N. J. (3 EE)	Charlotte, N. C.	Daniel, G. G. (2 Ind Ed)	North Augusta
Coward, V. L. (1 E-ME)	Calhoun Falls	Daniel, H. G. (3 Ch En)	Charlotte, N. C.
Cox, C. R. (3 A&S)	Camden	Danner, B. C. (2 ME)	Jonesville
Cox, J. D. (1 E-TE)*	Loris	Dantzier, H. L. (1 Pre-For)*	Summerville
Cox, J. E. (4 CE)	Decatur, Ga.	Darby, O. L. (1 E-EE)*	Honea Path
Cox, J. F. (4 TE)	Marion	Darby, W. E. (4 A&S)	Fort Motte
Cox, J. M. (3 Arch)	Kingsport, Tenn.	Dargan, G. W. (1 E-CE)*	Darlington
Cox, M. E. (1 E-ME)*	Greenwood	Darling, J. S. (1 A&S)*	Medfield, Mass.
Cox, R. E. (2 A-AH)	Yonges Island	Davenport, J. A. (3 ME)	Germantown, Tenn.
Cox, R. O. (2 A)*	Woodruff	Davis, B. B. (1 E-TE)	Cowpens
Cox, T. L. (1 E-EE)*	Greenville	Davis, B. W. (3 TM)	Greenville
Cox, W. M. (1 VAE)*	Greenville	Davis, C. E. (4 TM)	Greenwood
Coxe, W. B. (4 TM)	Greenville	Davis, C. W. (3 A&S)	Waynesville, N. C.
Cozart, J. G. (2 EE)	Columbus, Ga.	Davis, G. L. (2 TM)	Waban, Mass.
Craddock, G. L. (1 E-EE)*	Emporia, Va.	Davis, H. (3 VAE)	Townville
Craig, J. F. (4 Pre-Med)	Eastover	Davis, H. G. (1 E-CE)*	Murfreesboro, Tenn.
Craig, J. T. (3 Ag En)	Pickens	Davis, J. B. (1 Arch)*	Anderson
Craig, K. R. (3 Arch)	Greenville	Davis, J. M. (4 VAE)	Norway
Craig, M. A. (3 TE)	Clover	Davis, J. R. (1 VAE)	Ridge Spring
Crane, W. T. (3 EE)	Savannah, Ga.	Davis, L. A. (1 E-Ag En)*	Norway
Crappe, H. M. (4 ME)	Estill	Davis, N. E. (3 AH)	Mullins
Craven, W. H. (4 Agron)	Bamberg	Davis, P. C. (2 CE)	Greer
Crawford, G. E. (1 Arch)	Gray Court	Davis, R. (4 VAE)	Johns Island
Crawford, J. B. (1 A)	Kelso, Tenn.	Davis, R. A. (1 E-TE)	Greenville
Creech, E. R. (2 TM)	Spartanburg	Davis, R. E. (4 TM)	Fountain Inn
Creech, H. L. (3 Dairy & Poul)	Olar	Davis, R. F. (1 E-ME)	Union
Creighton, C. S. (4 Ent)	North Augusta	Davis, R. S. (4 TM)	South Boston, Va.
Creighton, J. H. (1 E-ME)	Buffalo	Davis, W. C. (1 VAE)	Furman
Creighton, W. P. (1 TC)*	McCormick	Davis, W. M. (1 A&S)	Greenwood
Crenshaw, C. L. (G)	Pendleton	Dawkins, J. R. (3 TE)	Prosperity
Crenshaw, P. W. (1 E-CE)	Westminster	Dawsey, J. W. (2 VAE)	Aynor
Crenshaw, T. N. (1 A)*	La France	Day, P. B. (1 Pre-Med)*	Johnston
Cribb, J. T. E. (2 A&S)	Spartanburg	Deanhardt, L. C. (3 TM)	Belton
Cribb, R. E. (1 E-Ag En)*	Florence	Deas, B. F. (3 TM)	Rock Hill
Crim, J. E. (3 EE)	Greer	Deas, J. W. (4 ME)	Rock Hill
Crocker, A. L. (1 Ed)*	Gaffney	Deason, F. P. (3 TM)	McCormick
Crocker, J. L. (4 AH)	Union	Debski, J. Z. (2 A-Poul)	Irvington, N.
Croke, T. M. (3 CE)	Philadelphia, Pa.	Deering, G. F. (1 E-ME)	Anderson
Cromer, C. D. (1 VAE)	Kinards	Dees, E. L. (2 TM)	Blentham
Cromer, J. R. (2 Ed)	Newberry	Dees, W. M. (3 Hort)	Blentham
Cromwell, R. B. (4 A&S)	Chester	Delk, W. S. (2 TM)	Greenville
Crosby, J. R. (1 TM)*	Travelers Rest	DeLoach, G. E. (3 TM)	Beaufort
Crosland, L. K. (3 Agron)	Bennettsville	DeLoach, R. L. (4 ME)	Beaufort
Crouch, R. E. (1 A&S)	St. Petersburg, Fla.	DeLoach, W. W. (4 TM)	Columbia
Crouch, R. W. (3 TE)	Greenville	DeLoache, W. E. (1 A&S)*	Columbia
Crowder, J. W. (1 A)*	Chester	DeLorme, H. M. (4 Ent)	Columbia
Crowe, R. N. (4 Arch)	Greenwood	Demopoulos, J. A. (1 Ind Ed)	Orlando, Fla.
Crump, E. L. (3 ME)	Newberry	Dempsey, A. G. (1 TM)*	Landrum
Crumpton, J. C. (1 TM)*	Greenville	Dempsey, C. L. (2 ME)	Naval Base
Cudd, R. H. (2 TM)	Spartanburg	Dempsey, G. (2 Ed)	Augusta, Ga.
Cudworth, T. F. (4 CE)	Greensboro, N. C.	Denaro, L. F. (1 E-Ag En)	Moncks Corner
Culberson, C. K. (2 TM)	Shannon, Ga.	Dennis, T. W. (1 E-CE)	Johnsonville
Culbreth, F. H. (1 A-Hort)*	Campobello	Denson, W. C. (2 ME)	Orlando, Fla.
Culley, H. B. (1 TM)*	West Frankfort, Ill.	Dent, J. E. (3 TM)	Columbia
Culp, R. B. (3 VAE)	Waxhaw, N. C.	Derieux, W. T. (4 Poul)	Blythewood
Culp, T. W. (3 Agron)	Port Mill	Derro, J. J. (1 Pre-For)*	Winchester, Mass.
Cummings, G. N. (2 Ind Ed)	Summerville	Deviney, W. E. (4 Ag Ec)	Rutherfordton, N. C.
Cummings, H. A. (1 A-Ag Ec)*	Ruffin	Devlin, G. M. (4 ME)	Greenwood
Cureton, F. M. (4 TM)	Union	Dewberry, W. E. (2 TM)	Elberton, Ga.
Cureton, J. C. (2 TM)	Clemson	DeWitt, A. E. (1 E-CE)*	Darlington

Name and Course	Address	Name and Course	Address
Dey, W. H. (2 ME)	Jacksonville, Fla.	Durham, C. M. (1 Pre-Med)*	Columbia
DeYoung, L. B. (4 Hort)	Clemson	Duval, G. W. (1 Ind Phys)*	Cheraw
Diamond, G. (3 TM)	Taunton, Mass.	Duval, R. W. (3 Chem)	Cheraw
Dickert, H. D. (3 EE)	Orangeburg	Dwight, R. C. (2 EE)	Sumter
Dickson, G. L. (1 E-ME)*	Greenwood	Dyches, H. M. (1 E-TE)	Aiken
Dickson, James F. (1 E-Ag En)	York	Dycus, J. R. (1 Arch)*	Daytona Beach, Fla.
Dickson, John F. (3 Ind Phys)	Rock Hill	Eakin, J. R. (1 A&S)	Stone Mountain, Ga.
Dickson, J. P. (1 A-AH)*	McCormick	Eargle, J. C. (4 Ch En)	Parr
Dilfield, R. E. (4 Arch)	Newport News, Va.	Eargle, W. R. (1 Ar En)*	Columbia
DiMarzo, J. M. (2 CE)	West Orange, N. J.	Earle, D. L. (1 TM)*	Wellford
DiMucci, D. M. (1 Ed)	McKeesport, Pa.	Earle, G. C. (2 ME)	Washington, D. C.
DiStefano, E. E. (1 E-CE)	Providence, R. I.	Earle, J. B. (1 Pre-Med)*	Walhalla
		Earle, J. E. (1 A-Agron)*	Anderson
Dixon, E. C. (1 TM)	Darlington	Earle, T. B. (1 Pre-For)*	Savannah, Ga.
Dixon, L. C. (1 TM)	Union	Earle, T. P. (1 VAE)	Central
Dixon, W. H. (3 TM)	Brevard, N. C.	Early, J. D. (2 A-Ent)	Florence
Dixon, W. L. (3 EE)	Sumter	Earnhardt, R. A. (4 TM)	Spartanburg
Doar, L. H. (2 Ch En)	Lakeland, Fla.	Easterling, J. L. (2 A-Agron)	Hartsville
Dobbins, J. P. (4 Ind Phys)	Spartanburg	Eberhart, H. C. (4 ME)	Anderson
Dobson, J. W. (Unc)†	Central	Eckman, L. M. (1 TM)	Jesup, Ga.
Dobson, R. T. (3 TM)	Central	Edgeworth, C. B. (1 Arch)*	Cheraw
Dodgen, W. D. (2 TM)	York	Edney, E. P. (4 Ar En)	Charleston
Dohar, E. J. (1 E-CE)	Wattsville	Edwards, B. F. (2 ME)	Abbeville
Donelon, J. M. (Unc)†	Clemson	Edwards, J. K. (1 A&S)*	Saluda
Donkle, J. O. (1 A-AH)	Pauline	Ehrhardt, H. S. (3 Pre-Med)	Ehrhardt
Donovan, R. D. (4 Ag En)	Birmingham, Ala.	Elder, M. H. (2 Ag En)	Atlanta, Ga.
Dorn, M. D. (4 EE)	Greenwood	Eleazer, G. W. (4 TM)	Columbia
Dorn, R. E. (1 E-EE)*	Greenwood	Elliott, W. B. (1 A)*	Nichols
Doubleday, V. C. (1 E-CE)*	Miami, Fla.	Elliott, W. H. (2 A-AH)	Summerville
Douglass, C. R. (1 E-CE)*	Reidsville, N. C.	Ellis, D. H. (3 EE)	Spartanburg
Douglass, G. G. (4 TM)	Winnaboro	Ellis, E. D. (2 Ar En)*	Charlotte, N. C.
Douglass, H. A. (4 Ag Ec)	Columbia	Ellis, J. B. (1 E-ME)*	Kingstree
Dowis, W. S. (4 Arch)	Spartanburg	Ellis, W. R. (3 EE)	Anderson
Dowling, J. H. (2 TM)	Chester	Ellison, C. H. (1 E-EE)*	Spartanburg
Doyle, C. B. (4 Ent)	Anderson	Ellison, L. A. (4 ME)	Great Falls
Dozier, F. E. (1 E-CE)	Brunswick, Ga.	Ellison, P. D. (1 A-AH)*	Anderson
Dozier, R. W. (1 E-Ag En)*	Marion	Ellison, W. R. (3 A&S)	Anderson
Drafts, J. T. (3 Ar En)	Lexington	Elrod, A. C. (G ME)†	Walhalla
Drake, B. F. (4 Agron)	Pelzer	Elrod, B. R. (1 Pre-Med)	Piedmont
Drake, O. D. (1 E-Ag En)	Greenville	Elrod, R. F. (2 A-Ag Ec)	Piedmont
Drake, O. K. (3 TM)	McCormick	Elrod, W. C. (G ME)†	Walhalla
Drake, W. H. (3 EE)	Donalds	Emory, W. C. (4 Ind Phys)	Gastonia, N. C.
Draper, C. H. (2 TM)	Spartanburg	England, W. D. (1 E-Ag En)*	Westminster
Drennon, H. L. (1 TM)*	Pelzer	Epps, C. O. (4 Ag En)	Latta
Drew, F. H. (1 A&S)*	Ridgeland	Ervin, J. B. (3 CE)	Florence
DuBose, C. R. (3 Ind Ed)	Ellenton	Ervin, W. C. (1 E-Ag En)*	Florence
Duckworth, R. J. (4 TM)	Westminster	Erwin, H. B. (1 A-AH)*	Abbeville
Duckworth, R. M. (3 Ar En)	Westminster	Eskew, T. F. (1 E-EE)*	Anderson
DuCom, E. L. (2 Ag En)	Sumter	Eskridge, K. C. (3 AH)	Cheraw
Dugan, J. D. (4 ME)	Easley	Estes, A. C. (3 TM)	Winnaboro
Duke, L. M. (2 Pre-For)	McClellanville	Estes, B. G. (3 TC)	Ware Shoals
Duke, L. R. (1 E-CE)*	Kingstree	Estes, S. R. (4 Hort)	Greenville
Duke, R. W. (1 A-AH)*	Kingstree	Eubanks, C. L. (1 E-ME)	Summerville
Dukes, D. E. (4 Ind Ed)	Orangeburg	Eubanks, H. O. (3 Arch)	Augusta, Ga.
Dukes, E. O. (1 TM)*	North Augusta	Eubanks, W. S. (4 AH)	Anderson
Dukes, H. L. (2 TM)	Newberry	Evans, A. W. (1 A&S)	Savannah, Ga.
Dukes, P. D. (1 A)*	Reevesville	Evans, C. D. (G)†	Clemson
Dumas, A. L. (3 TE)	Rockmart, Ga.	Evans, C. H. (3 EE)	North Charleston
Duncan, B. A. (4 TM)	Six Mile	Evans, D. L. (3 AH)	Holly Hill
Duncan, B. W. (1 Ed)*	Erwin, Tenn.	Evans, E. L. (2 VAE)	Pamplico
Duncan, H. H. (2 EE)	Anderson	Evans, J. L. (1 TM)	West Orange, N. J.
Duncan, J. H. (1 E-Ch En)*	Charleston	Evans, J. R. (4 ME)	Anderson
Duncan, R. E. (3 ME)	Callison	Evans, J. W. (4 TM)	Pinewood
Duncan, R. M. (3 ME)	Union	Evans, M. L. (1 A)*	Lake City
Duncan, W. F. (3 Arch)	Greer	Evans, W. D. (3 Agron)	Kingstree
Dunlap, R. T. (1 A)*	Clinton	Evatt, A. H. (2 TM)	Easley
Dunn, D. L. (4 EE)	Warrenville	Ezell, B. B. (PG Arch)	Spartanburg
Dunn, G. R. (2 EE)	Coopersburg, Pa.	Ezell, W. C. (1 VAE)*	Cowpens
Dunn, J. C. (2 TM)	Central	Fabian, W. L. (1 TC)*	Charleston
Dunn, J. H. (2 ME)	North Augusta	Facchin, G. J. (3 A&S)	Anderson
Dunn, O. H. (1 TM)	Birmingham, Ala.	Faile, F. J. (1 Pre-Med)*	Kershaw
DuPre, W. M. (G Dairy)†	Clemson	Fairey, H. R. (1 A)*	Orangeburg
Durden, G. C. (2 EE)	Augusta, Ga.	Fairey, J. M. (3 A&S)	Orangeburg
Durgin, T. L. (1 A)	Washington, D. C.	Falkner, I. L. (4 Ind Phys)	Charlotte, N. C.

Name and Course	Address	Name and Course	Address
Fanning, W. H. (3 Ar En)	Columbia	Fowler, H. E. (2 VAE)	Greer
Farmer, J. E. (1 E-CE)	Arlington, Va.	Fowler, R. D. (4 TM)	Anderson
Farmer, J. M. (4 TM)	Anderson	Fowler, R. R. (1 TM)*	Laurens
Farmer, K. B. (3 Ind Ed)	Tomotla, N. C.	Fowler, W. (4 EE)	Pacolet Mills
Farmer, L. P. (3 EE)	Spartanburg	Fowler, William C. (2 Arch)	Mullins
Farmer, R. E. (1 Pre-For)*	Newport, Tenn.	Fowler, Willis C. (3 Ar En)	Columbia
Farnsworth, W. W. (1 A&S)*	Greenville	Fox, S. W. (2 ME)*	Philadelphia, Pa.
Farriss, C. W. (4 ME)	Charlotte, N. C.	Foy, H. B. (4 Arch)	Waynesville, N. C.
Faucett, J. W. (3 Pre-Med)	Union	Fraissor, J. (2 EE)	Whitmire
Faulkenberry, B. K. (1 E-EE)*	Greenville	Frale, V. V. (2 A-Bot)	Florence
Faulkenberry, F. W. (3 ME)	Chester	Fralick, O. H. (2 Arch)	Walterboro
Faulkenberry, R. E. (1 A-Dairy)*	York	Franklin, M. S. (2 TM)	Aiken
Faulkner, H. G. (3 VAE)	Clover	Franks, H. L. (4 Ed)	Greenville
Featherstone, D. E. (1 TE)*	Hendersonville, N. C.	Fraser, H. E. (2 Pre-Med)	Washington, D. C.
Feemster, T. R. (1 E-TE)	East Gastonia, N. C.	Freeland, M. C. (2 CE)	Plum Branch
Felder, A. L. (1 A-Dairy)*	Bowman	Freeman, B. R. (1 E-ME)*	Greenville
Felder, G. V. (1 TM)*	Orangeburg	Freeman, C. B. (1 Ind Phys)	Westminster
Fellers, Q. H. (4 TM)	Prosperity	Freeman, J. E. (1 E-ME)	Greenville
Fellers, R. H. (4 Arch)	Newberry	Freeman, W. H. (1 A-Hort)	Liberty
Fendley, J. E. (4 TM)	Westminster	Freret, W. A. (1 Arch)*	Decatur, Ga.
Fennell, C. A. (1 VAE)	Chester	Freudenberger, O. L. (2 CE)	St. Petersburg, Fla.
Fennell, J. E. (4 EE)	Hardeeville	Friar, J. S. (2 ME)	Montmorenci
Ferguson, C. R. (2 TM)	Atlanta, Ga.	Friar, R. G. (4 TE)	Montmorenci
Ferguson, I. H. (1 E-CE)*	Abbeville	Frick, R. A. (1 E-ME)*	Chapin
Ferguson, J. C. (3 EE)	West Asheville, N. C.	Frick, R. K. (4 Ind Phys)	Spartanburg
Ferguson, R. W. (3 CE)	Belmont, N. C.	Fricke, D. K. (2 A)	Baldwin, N. Y.
Ferguson, T. C. (3 EE)	Greenville	Fridle, W. J. (2 TM)	Greenville
Ferguson, T. D. (1 TM)*	Great Falls	Friend, J. C. (1 E-ME)	Anderson
Ferguson, T. M. (4 A&S)	York	Frierson, J. L. (3 Hort)	Westminster
Ferguson, W. L. (3 Arch)	Spartanburg	Fripp, W. E. (4 Ar En)	Florence
Few, B. E. (2 ME)	Pickens	Froelich, R. S. (1 A-Hort)*	Allendale, N. J.
Few, J. C. (1 EE)	York	Fry, L. H. (2 ME)*	Cochran, Ga.
Ficken, G. E. (2 VAE)	Early Branch	Fullum, W. J. (2 TM)	Brooklyn, N. Y.
Fickling, H. E. (3 AH)	Ridgeland	Fulmer, J. P. (1 A-Hort)*	Augusta, Ga.
Fields, D. A. (2 CE)	Society Hill	Fulmer, J. S. (3 A&S)	Greenville
Finklea, G. C. (PG Ent)	Florence	Funchess, M. D. (4 Ag En)	Rowesville
Finley, G. E. (1 TM)*	Laurens	Furr, E. F. (4 Pre-Med)	Rock Hill
Finley, G. L. (4 EE)	Anderson	Furse, G. H. (4 VAE)	Summerton
Flake, J. L. (1 A-Agron)*	Swansea	Gabriel, N. R. (3 Ar En)	Memphis, Tenn.
Fleisher, B. (3 TM)	Waterbury, Conn.	Gaddis, R. S. (3 Ar En)	Taylors
Fleming, C. L. (2 A&S)	Abbeville	Gaddy, J. D. (4 TM)	McColl
Fleming, G. R. (4 TM)	Chester	Gaddy, J. M. (3 TM)	Bennettsville
Fleming, M. L. (2 Arch)	Spartanburg	Gaddy, W. D. (2 VAE)*	Chesterfield
Fletcher, F. L. (1 Arch)*	Rock Hill	Gage, G. (3 TE)	Clemson
Fletcher, H. W. (1 E-EE)*	McColl	Gailey, C. W. (3 TM)	Anderson
Florence, O. G. (4 ME)	Wrens, Ga.	Gaillard, J. W. (4 TM)	Walhalla
Flowers, F. M. (2 A-AH)	Darlington	Gaillard, W. H. D. (3 A&S)	Florence
Flowers, J. P. (4 Ag En)	Darlington	Gaines, H. P. (4 TM)	Honea Path
Flowers, W. E. (1 Ed)	Lancaster	Gaines, J. C. (3 ME)	Liberty
Floyd, B. (1 E-Ag En)*	Kershaw	Gaines, J. O. (4 Agron)	Townville
Floyd, G. O. (1 E-ME)	McBee	Gaines, J. R. (4 TM)	Liberty
Foard, R. M. (2 CE)	Charlotte, N. C.	Gale, A. D. (2 CE)	Brunswick, Ga.
Fogle, M. S. (2 A-Agron)	Orangeburg	Galloway, H. F. (1 E-TE)*	Hartsville
Folk, E. W. (3 Ch En)	Simpsonville	Gamble, W. A. (4 VAE)	Charleston
Folk, J. M. (3 TM)	Bamberg	Gambrell, C. B. (Unc)*	Clemson
Folks, J. J. (1 E-TE)	Inverness, Fla.	Gambrell, C. H. (3 EE)	Greenville
Fooshe, W. K. (3 TM)	Hodges	Gambrell, F. M. (4 Ag En)	Pendleton
Forbes, C. S. (1 A&S)	Washington, D. C.	Gambrell, H. D. (1 E-EE)*	Pendleton
Ford, D. M. (3 TE)	Clover	Gambrell, H. L. (2 TM)	Pendleton
Ford, J. K. (1 E-Ag En)*	Atlanta, Ga.	Gambrell, H. M. (3 Ag En)	Owings
Ford, W. E. (1 TM)	Medford, Mass.	Gandy, V. (2 A-AH)	Florence
Fore, F. C. (1 VAE)	Mullins	Ganyard, T. H. (2 ME)	Miami, Fla.
Forgett, V. J. (1 E-ME)*	Teanneck, N. J.	Gardner, G. N. (2 TM)	Kershaw
Forlidas, N. J. (2 TE)	Spartanburg	Gardner, J. M. (2 Ind Ed)	Hartsville
Fort, A. H. (G Ed)*	Anderson	Gardner, R. B. (1 A&S)	Chesterfield
Fortune, J. C. (1 A-Ag Ec)*	Pickens	Gardner, R. W. (2 Ind Ed)	Pritchardville
Foster, H. B. (2 A-Hort)	Cheesee	Gardner, T. B. (2 A-Ag Ec)	Mullins
Foster, J. B. (3 A&S)	Woodruff	Garland, J. L. (2 Arch)*	Erwin, Tenn.
Foster, T. D. (2 Chem)	Spartanburg	Garner, E. A. (2 A-Agron)	Ashburn, Ga.
Foster, T. S. (4 CE)	Greenville	Garner, J. B. (1 Ar En)	Cedartown, Ga.
Foster, W. H. (1 E-CE)	Union	Garren, B. R. (1 A)*	West Asheville, N. C.
Foster, W. R. (4 Ar En)	Greenville	Garren, C. H. (4 TM)	Calhoun, Ga.
Fousek, A. L. (1 E-TE)*	Fair Play	Garren, D. H. (2 ME)	Easley

Name and Course	Address	Name and Course	Address
Garren, D. M. (4 TE)	Greenville	Graham, J. A. (1 Pre-Med)*	Scranton
Garrett, J. B. (4 TM)	Woodruff	Graham, J. R. (3 VAE)	Inman
Garrett, J. E. (3 ME)	Orangeburg	Graham, M. B. (1 A)*	Loris
Garrett, O. S. (2 Ind Ed)	Greenville	Graham, R. B. (3 TM)	Anderson
Garrison, E. W. (2 TM)	Sandy Springs	Graham, T. A. (1 A-Agron)	Seneca
Garrison, J. B. (1 TM)	Greenville	Grainger, C. R. (1 A)*	Nichols
Garrison, J. E. (1 A)*	Buffalo, N. Y.	Grainger, E. M. (2 A)	Nichols
Garrison, R. E. (2 TM)	Greenville	Grainger, H. J. (1 A-AH)*	Tabor City, N. C.
Garrison, R. L. (1 E-TE)*	Pelzer	Granade, J. M. (1 TM)*	Aiken
Garrison, W. H. (3 Arch)	Columbia	Grant, S. J. (2 CE)	Darlington
Garvin, J. T. (1 E-Ag En)*	Greenwood	Grant, W. E. (G Chem)	Chester
Garvin, T. E. (2 A-AH)	Salley	Gray, C. J. (2 TC)	Anderson
Gasaway, G. P. (4 TM)	Jefferson, Ga.	Greenan, J. A. (2 EE)*	Philadelphia, Pa.
Gaskin, B. H. (2 A-Hort)*	Kershaw	Green, F. H. (4 EE)	Griffin, Ga.
Gaskin, M. D. (1 Ed)*	Orangeburg	Greene, C. R. (4 TE)	Newry
Gassoway, H. B. (3 Dairy)	Honea Path	Greene, E. L. (3 Ar En)	Taylor
Gaston, G. L. (2 Arch)	Blacksburg	Greene, F. A. (1 E-CE)*	Greer
Gaston, J. M. (3 Dairy)	Richburg	Greer, J. E. (1 A)*	Greenville
Gatlin, K. A. (3 A&S)	Newberry	Greer, F. (2 ME)	Duncan
Gaulden, F. E. (3 Arch)	Laurens	Greer, J. M. (3 VAE)	Westminster
Gaulden, W. E. (1 E-ME)*	Atlanta, Ga.	Gregg, R. L. (3 TM)	Asheville, N. C.
Genet, G. T. P. (4 TM)	Georgetown	Gregg, W. A. (1 TM)*	Clearwater
Gentry, F. T. (1 Ed)	Erwin, Tenn.	Gregg, W. B. (4 Ind Ed)	Kingstree
Gentry, T. H. (4 VAE)	Summerton	Gregory, C. S. (1 Chem)*	St. Johns, Mich.
Gerrald, J. E. (2 Pre-Med)	Galivants Ferry	Gregory, J. W. (3 Agron)	Union
Gettys, R. A. (4 TE)	Rock Hill	Gregory, W. C. (4 Ar En)	Chesnee
Gibbons, L. W. (4 VAE)	Turbeville	Gressette, W. C. (3 TM)	Florence
Gibson, C. R. (2 TM)	Westminster	Grey, W. H. (1 TM)*	Greenville
Gibson, J. H. (3 Ag En)	Chester	Grice, G. D. (4 A&S)	Charleston
Gibson, R. H. (3 CE)	Waynesville, N. C.	Griffin, B. L. (3 EE)	Central
Gibson, T. J. (1 A&S)*	Greenville	Griffith, W. A. (2 TM)	Lancaster
Gibson, W. J. (1 A)*	Greer	Grigsby, B. L. (3 VAE)	Saluda
Gibson, W. T. (1 Ed)*	Port St. Joe, Fla.	Grist, W. L. (3 TM)	York
Giddings, M. E. (4 CE)	Greenwood	Grubbs, R. J. (3 CE)	Westminster
Gilbert, F. C. (3 Hort)	Newberry	Guest, C. M. (Unc)†	Clemson
Gillespie, F. H. (3 ME)	Greenville	Gulledge, L. M. (3 Ag Ec)	Wedgfield
Gillespie, J. F. (2 CE)	Montgomery, Ala.	Gunby, F. M. (4 ME)	Winchester, Mass.
Gillespie, M. R. (1 A&S)*	Norris	Gunnin, E. A. (4 Ar En)	Starr
Gillespie, R. L. (3 Pre-Med)	Tams, W. Va.	Guyton, R. D. (1 E-ME)*	Pelzer
Gilliam, S. G. (4 AH)	Abbeville	Gwynn, N. S. (4 TE)	Woodruff
Gilliland, J. F. (3 Ind Ed)	Iva	Haddon, F. M. (2 TM)	Anderson
Gilmore, J. A. (1 E-Ag En)*	Santuck	Haddon, H. A. (1 TM)	Rock Hill
Gilmore, W. F. (4 Ind Ed)	Santuck	Hadsock, H. S. (2 TM)	McCormick
Gilroy, P. W. (PG Chem)	Greenville	Hagan, C. M. (1 E-EE)*	Longport, N. J.
Gilstrap, L. C. (1 E-Ag En)*	Pickens	Hagan, J. D. (1 TM)	Union
Ginn, J. P. (1 A-AH)	Varnville	Hagan, L. D. (2 TM)	Greenwood
Ginn, J. W. (4 AH)	Charleston	Haigler, D. G. (4 AH)	Cameron
Giosola, T. E. (1 Ar En)*	Bethesda, Md.	Haigler, E. V. (4 Agron)	Cameron
Gissendanner, J. D. (1 E-EE)	Columbia	Hair, A. B. (1 TM)	Williamston
Glenn, B. A. (3 TM)	Greenville	Hair, C. A. (4 Ar En)	Fairfax
Glenn, J. D. (4 ME)	Hartsville	Hair, J. T. (1 E-TE)*	Aiken
Glenn, James M. (1 E-EE)*	Anderson	Hair, W. E. (1 E-CE)	Westminster
Glenn, Joe M. (3 TM)	Greer	Hair, W. W. (1 Ed)	Canadys
Gnann, W. N. (3 A&S)	Ridgeland	Hale, W. R. (3 CE)	Greenville
Godfrey, C. H. (3 ME)	Florence	Halifax, J. F. (1 E-EE)*	Savannah, Ga.
Godwin, H. F. (2 A-AH)	Lake City	Hall, B. B. (2 A&S)*	Mt. Pleasant
Godwin, J. B. (1 E-CE)*	Lake City	Hall, C. E. (3 EE)	Anderson
Godwin, J. E. (2 EE)	Montauk Point, N. Y.	Hall, Charles L. (1 E-CE)*	Greenville
Godwin, J. L. (1 Pre-Med)	Summerton	Hall, Conrad L. (4 TM)	Winnabro
Gohagan, D. B. (Unc)	Furman	Hall, D. R. (1 A-AH)	York
Gonseth, W. C. (1 E-CE)*	Brooklyn, N. Y.	Hall, E. E. (1 E-Ag En)*	Florence
Gooch, F. M. (4 Ar En)	Spartanburg	Hall, F. N. (4 TE)	Spartanburg
Good, J. H. (3 TM)	Lockhart	Hall, H. T. (4 VAE)	Bethune
Gooding, W. H. (1 Ed)	North Charleston	Hall, J. M. (3 Agron)	Camden
Goodman, J. W. (4 Ag En)	Mountville	Hall, P. W. (1 A-Ag Ec)*	Pendleton
Goodman, R. E. (1 E-ME)*	Clemson	Hall, R. C. (1 A)*	Mt. Ulla, N. C.
Goodman, W. S. (1 Pre-For)*	Clemson	Hall, S. E. (2 EE)	Turtletown, Tenn.
Gordon, J. C. (1 E-EE)	Liberty	Hall, T. C. (4 VAE)	Mt. Ulla, N. C.
Gorse, A. H. (1 E-EE)*	Charleston	Hall, W. C. (1 E-CE)*	Ridgeland
Gossett, T. C. (1 E-TE)*	Fort Mill	Hall, W. E. (1 A&S)	Anderson
Gough, S. W. (2 Ind Ed)	Chester	Hallman, C. A. (1 E-TE)	Springfield
Graham, A. T. (2 TM)	Scranton	Hamer, C. P. (3 Agron)	Tatum
Graham, B. J. (3 Hort)	Kenmore, N. Y.	Hamer, J. W. (4 Arch)	Tatum
Graham, B. M. (2 TM)	Rock Hill	Hamilton, C. H. (3 TM)	Atlanta, Ga.

Name and Course	Address	Name and Course	Address
Hamilton, E. H. (3 ME)	Seneca	Harrison, R. W. (2 VAE)*	Rock Hill
Hamilton, F. P. (4 Ed)	Seneca	Hart, E. C. (3 VAE)	Florence
Hamilton, J. E. (3 CE)	Graniteville	Hart, J. D. (4 EE)	Kelton
Hamilton, J. M. (1 A-Dairy)*	Chester	Hart, K. R. (1 TC)	Rock Hill
Hamilton, L. C. (4 Hort)	Easley	Hart, R. M. (4 ME)	Tournapull, Ga.
Hamilton, W. H. (1 E-ME)*	Garnett	Hartin, D. O. (4 TM)	Greenville
Hamilton, W. R. (2 CE)	Durham, N. C.	Hartney, E. C. (1 Arch)*	Daytona Beach, Fla.
Hamlin, P. R. (2 EE)*	Brevard, N. C.	Harvell, H. D. (1 Arch)*	Greenville
Hammett, T. B. (2 A-Agron)	Inman	Harvey, N. L. (2 Ag En)	Summerville
Hammett, W. K. (3 TC)	Inman	Harvey, P. N. (2 TE)	Clover
Hammond, G. F. (3 VAE)	Seneca	Harvey, W. Y. (1 Pre-For)*	Cartersville, Ga.
Hammond, H. D. (4 Ag Ec)	Seneca	Hasek, W. J. J. (3 Chem)	Carteret, N. J.
Hammond, J. C. (4 VAE)	Aiken	Haselden, F. O. (4 Ag En)	Scranton
Hammond, L. H. (3 Ag Ec)	Seneca	Hasell, A. H. (1 Pre-Med)	Columbia
Hammond, O. P. (4 AH)	Fair Bluff, N. C.	Hastings, E. D. (2 Ag En)	Norfolk, Va.
Hampton, C. O. (2 ME)	Greenville	Hastings, J. W. (4 TM)	Chester
Hampton, L. W. (2 TM)	Spartanburg	Hastings, S. W. (4 Hort)	Norfolk, Va.
Hamrick, R. Y. (4 TE)	Boiling Springs, N. C.	Hatchell, E. L. (1 E-CE)*	Charleston
Hamrick, S. L. (3 TM)	Wattsville	Hattaway, J. A. (1 E-EE)*	Greenville
Hamrick, W. L. (4 TM)	Gaffney	Haugk, D. C. (2 TE)	Jersey City, N. J.
Hanahan, W. O. (1 E-Ch En)*	Charleston	Hauser, G. T. (1 TM)	Caldwell, N. J.
Hance, C. W. (1 A-AH)*	Heath Springs	Hawkins, D. A. (2 Ed)	Atlanta, Ga.
Hance, H. L. (4 CE)	Lancaster	Hawkins, E. H. (1 A&S)*	Ducktown, Tenn.
Hance, M. H. (2 TM)	Heath Springs	Hawkins, G. R. (2 TM)	Newberry
Hancock, A. B. (2 TM)	Ruby	Hawkins, J. C. (3 TM)	Greenville
Hancock, Harold (3 Hort)	Ruby	Hawkins, J. W. (G TC)*	North Charleston
Hancock, Harris (3 Hort)	Ruby	Hawkins, T. R. (2 A-Dairy)	Greenwood
Hanks, F. L. (1 E-EE)	Anderson	Hawthorne, J. A. (1 E-ME)*	Pittsburgh, Pa.
Hanna, E. H. (4 Agron)	Gifford	Hayden, J. L. (2 A-AH)	Walterboro
Hanna, J. E. (1 E-ME)*	Woodruff	Hayes, G. (3 Ind Phys)	Ellenton
Hanna, J. M. (1 E-ME)*	Mooresville, N. C.	Hayes, R. D. (2 A-Ent)	Pickens
Hanna, R. G. (PG TE)	Bennettsville	Hayes, W. C. (2 TM)	Travelers Rest
Hannah, G. R. (4 AH)	Columbia	Hayes, W. H. (2 A-Dairy)	Harris, N. C.
Hanrahan, R. W. (1 E-EE)	Washington, D. C.	Haynes, G. C. (4 CE)	Cliffside, N. C.
Harbin, W. H. (1 E-ME)*	Seneca	Haynie, G. W. (1 Pre-Med)*	Belton
Hardaway, H. M. (4 CE)	Dillon	Haynie, H. A. (3 TM)	Anderson
Hardee, H. B. (3 AH)	Loris	Hayslip, C. C. (4 ME)	Spartanburg
Hardee, O. L. (3 VAE)	Andrews	Hazle, J. D. (4 TE)	Woodruff
Hardin, E. G. (G Chem)*†	Shelby, N. C.	Hazle, P. B. (1 TM)	Woodruff
Hardin, J. I. (1 A)*	Grover, N. C.	Head, C. M. (4 CE)	Greenville
Hardman, G. (1 E-EE)*	Warner Robins, Ga.	Head, H. A. (3 ME)	Bartow, Fla.
Hardwick, J. C. (2 A-Agron)	Conway	Healan, R. W. (4 CE)	Rock Hill
Hardwick, J. H. (4 Agron)	Conway	Heape, C. (1 VAE)	Luray
Hardwick, L. D. (4 Ind Ed)	Rock Hill	Hentley, S. M. (1 E-EE)	Moncks Corner
Hardy, G. L. (1 E-Ag En)*	Johnston	Hedden, F. F. (1 Pre-Med)*	Walhalla
Hare, E. B. (2 A-Hort)	Lake Wales, Fla.	Hedden, G. C. (4 Arch)	Badin, N. C.
Hare, J. F. (2 ME)	Lake Wales, Fla.	Hedden, J. R. (1 E-ME)*	Badin, N. C.
Hare, W. W. (4 Ag En)	Madison	Hedgepath, H. D. (4 Arch)	Columbia
Harley, J. H. (Unc)†	Clemson	Hefley, E. M. (1 E-TE)*	Rock Hill
Harley, J. P. (3 Agron)	Trenton	Heinbockel, R. H. (4 TM)	Manhasset, N. Y.
Harling, W. W. (1 E-EE)*	Simpsonville	Heins, C. H. (3 ME)	Charleston
Harlee, A. H. (1 E-Cr En)	Florence	Helms, W. E. (3 Arch)	Molino, Fla.
Harmon, B. G. (2 TM)	Newberry	Hendley, D. L. (2 TM)	Greenville
Harper, J. E. (2 TM)	Seneca	Hendricks, D. (3 AH)	Liberty
Harper, J. G. (3 A&S)	Anderson	Hendrix, B. G. (1 E-Ag En)*	Greenville
Harper, L. H. (1 E-ME)*	Charleston	Henegar, J. R. (2 ME)	Spartanburg
Harper, W. W. (3 TE)	Seneca	Heniford, D. O. (3 Pre-Med)	Loris
Harrell, S. S. (1 A-AH)	Ferndale, Mich.	Henry, J. D. (3 ME)	Simpsonville
Harrelson, M. W. (G)†	Clemson	Henry, L. L. (1 A&S)*	Clemson
Harrell, B. H. (3 ME)	Bennettsville	Herbert, Albert M. (1 E-EE)	Orangeburg
Harris, D. D. (4 ME)	Laurens	Herbert, Andrew M. (4 ME)	Piedmont
Harris, G. S. (4 CE)	Daytona Beach, Fla.	Herbert, A. R. (1 TM)*	Bamberg
Harris, G. W. (1 A-AH)*	Ridgeland	Herlocker, J. M. (1 A-AH)*	Charlotte, N. C.
Harris, H. S. (3 CE)	Union	Herlong, B. H. (4 Ag En)	Saluda
Harris, J. E. (2 TE)	Greenwood	Herlong, D. P. (2 Ed)	Rock Hill
Harris, M. B. (1 A)*	Anderson	Herlong, J. P. (1 TC)*	Saluda
Harris, W. A. (3 VAE)	Seneca	Heron, T. G. (3 EE)	Parr
Harrison, A. C. (4 TM)	Spartanburg	Herring, J. W. (3 A&S)	Spartanburg
Harrison, H. D. (1 Pre-For)*	Clemson	Herring, L. B. (1 E-EE)*	Dillon
Harrison, H. H. (4 Ind Ed)	Pendleton	Herring, R. C. (4 Agron)	Marion
Harrison, J. A. (4 ME)	Clemson	Hester, F. T. (1 TM)	Greenville
Harrison, M. M. (G VAE)	Pelzer	Heustess, J. C. (2 A-Dairy)	Winnaboro

Name and Course	Address	Name and Course	Address
Hewitt, R. T. (4 AH)	Florence	Hooper, J. B. (2 TM)	Anderson
Heyer, J. L. (1 A-Agron)	Butler, Pa.	Hooton, W. A. (3 TM)	North Augusta
Hicks, B. D. (3 TM)	Port Mill	Hoover, E. A. (1 E-ME)*	North Charleston
Hicks, J. C. (1 A)*	Apopka, Fla.	Hoover, J. A. (2 ME)	North Charleston
Hicks, R. A. (4 TM)	Gastonia, N. C.	Hope, R. M. (2 A-Poul)	Rock Hill
Hicks, R. G. (4 ME)	Spartanburg	Hopkins, A. R. (4 Ent)	Pendleton
Hiers, F. R. (1 E-EE)*	Bamberg	Hopper, I. D. (4 TM)	Chester
Hiers, H. F. (1 Pre-For)*	Charleston	Hord, H. E. (3 EE)	Sharon
Hiers, J. E. (1 A-Agron)	Ehrhardt	Horne, B. S. (3 A&S)	Charleston
High, R. E. (2 TM)	Little River	Horne, C. C. (3 EE)	Charleston
Hildebrand, E. J. (3 ME)	Washington, D. C.	Hornick, F. J. (2 VAE)	Fair Play
Hill, B. L. (1 TM)*	McColl	Horton, E. M. (4 ME)	Spartanburg
Hill, Charles E. (2 A-Hort)	Charleston	Horton, S. R. (3 TM)	Rock Hill
Hill, Clarence E. (3 TM)	Greenville	Hough, J. T. (2 Cr En)	Charlotte, N. C.
Hill, F. B. (2 A)	Seneca	Houston, W. M. (3 CE)	Easley
Hill, F. D. (4 TM)	Spartanburg	Howard, A. M. (4 A&S)	Greenville
Hill, H. L. (1 E-TE)*	Toccoa, Georgia	Howard, H. E. (2 ME)	Charleston
Hill, J. D. (3 ME)	Greenville	Howard, L. T. (1 TC)*	Port Mill
Hill, J. K. (1 E-EE)*	Belton	Howard, R. I. (1 TM)*	Greenwood
Hill, K. F. (1 VAE)*	Pelzer	Howard, R. S. (1 Pre-Med)*	Albany, Ga.
Hill, R. L. (3 EE)	Anderson	Howe, D. W. (1 VAE)*	Hickory Grove
Hill, T. A. (4 Ag En)	Florence	Howell, C. R. (1 TM)*	Waynesville, N. C.
Hill, T. D. (1 TM)*	Varnville	Howell, J. H. (2 Ch En)*	Columbia
Hilla, E. A. (3 Arch)	Newark, N. J.	Howell, J. I. (3 Pre-Med)	Spartanburg
Hiller, J. W. (3 Arch)	Greenville	Howell, N. A. (4 TE)	College Park, Ga.
Hiller, R. E. (4 Ind Phys)	Greenville	Howey, E. D. (1 VAE)*	Port Mill
Hines, J. R. (2 A&S)	St. Petersburg, Fla.	Howie, C. O. (1 E-TE)*	Mooresville, N. C.
Hinson, D. R. (1 TM)	Kershaw	Howle, C. W. (1 Chem)*	Florence
Hinson, E. M. (1 E-ME)*	Columbia	Howle, D. M. (4 Ag En)	Darlington
Hinson, J. C. (1 Ind Ed)	Columbia	Howle, T. L. (4 TC)	Florence
Hinson, J. F. (2 ME)	Lynchburg	Hromi, J. D. (PG EE)†	Clemson
Hinson, J. L. (1 E-Ch En)*	Baltimore, Md.	Hubert, A. T. (1 A)*	Lexington, Va.
Hinton, C. R. (2 A-AH)	Ninety Six	Huckabee, J. L. (3 TM)	Marion
Hipp, C. W. (1 E-ME)*	Greenwood	Hucks, C. C. (2 Ag En)	Aynor
Hipp, J. F. (1 Arch)*	Newberry	Hudgens, J. M. (3 EE)	Laurens
Hittinger, E. M. (2 EE)	Weatherly, Pa.	Hudson, H. A. (3 VAE)	Walhalla
Hodge, Cecil R. (4 Ent)	Alcolu	Hudson, J. C. (1 Ed)*	North Charleston
Hodge, Charles R. (1 TM)	Pelzer	Hudson, J. P. (1 E-TE)*	Decatur, Ga.
Hodge, S. E. (4 CE)	Georgetown	Hudson, J. W. (2 TM)	Greenville
Hodge, S. L. (1 Ind Phys)*	Jacksonville, Fla.	Hudson, P. B. (4 TM)	West Union
Hodges, M. W. (1 E-ME)*	Atlanta, Ga.	Hudson, Richard W. (4 EE)	Sumter
Hodges, W. J. (1 E-CE)*	Ware Shoals	Hudson, Robert W. (2 Ed)	North Charleston
Hoffmann, F. C. (3 TM)	New York, N. Y.	Huff, C. E. (4 TM)	Woodruff
Hoffmann, R. C. (4 TM)	Fanwood, N. J.	Huff, C. H. (1 A&S)	Hartsville
Hogan, C. S. (4 EE)	North Augusta	Huff, O. F. (4 Agron)	Branchville
Hogg, H. R. (2 A-Dairy)	Hillside, N. J.	Huff, P. L. (1 E-CE)*	Greenville
Holcombe, B. F. (2 ME)	Central	Huffman, J. L. (3 VAE)	Newberry
Holcombe, C. W. (4 TE)	Greenville	Huggins, C. B. (2 VAE)*	Gaffney
Holcombe, F. J. (2 A)	Summit, N. J.	Huggins, K. L. (2 A-Agron)	Mullins
Holcombe, M. W. (1 E-EE)*	Central	Huggins, N. P. (2 Pre-For)	Mullins
Holder, R. (4 Dairy)	Union	Huggins, T. E. (1 E-EE)*	Hemingway
Holland, G. H. (3 AH)	Fountain Inn	Hughes, H. W. (2 Ar En)*	Martinez, Ga.
Holland, J. C. (2 ME)	Mooresboro, N. C.	Hughes, R. L. (2 VAE)	Edgefield
Holland, R. L. (1 VAE)*	McClellanville	Hughes, W. T. (1 E-ME)*	Montmorenci
Holleman, S. (G Ed)†	Seneca	Huguley, B. L. (2 Ed)	McCormick
Holley, E. E. (2 A-AH)	Aiken	Huiet, G. E. (PG Ar En)	Trenton
Holliday, C. A. (3 VAE)	Six Mile	Hulon, H. E. (2 TM)	Union
Holliday, J. J. (2 Pre-Med)	Florence	Hungerpiller, J. S. (1 VAE)*	Edgefield
Holliday, W. F. (1 E-ME)	Piedmont	Hunsuck, E. E. (4 Pre-Med)	Whitney
Holliday, W. T. (1 E-TE)	Greer	Hunsuck, W. F. (4 ME)	Whitney
Hollingsworth, R. T. (1 A-AH)*	Cross Hill	Hunsucker, W. J. (1 A)*	Society Hill
Hollis, C. E. (3 TM)	Central	Hunt, J. F. (4 Ed)	Liberty
Hollis, J. T. (4 Arch)	Union	Hunt, R. C. (1 E-TE)*	Winnboro
Hollowell, J. G. (1 E-ME)*	Mt. Pleasant	Hunter, J. R. (4 Arch)	Lancaster
Holmes, J. C. (1 VAE)*	Conway	Hunter, J. W. (2 A-AH)	Liberty
Holroyd, R. F. (3 A&S)	Anderson	Hunter, M. P. (3 AH)	Ora
Holshouser, W. A. (4 A&S)	Erwin, Tenn.	Hutchenson, D. R. (1 A&S)*	Wagener
Holston, J. W. (1 Pre-Med)*	Edgefield	Hutchinson, D. C. (2 VAE)	Walhalla
Holt, J. E. (2 ME)	Sellers	Hutchinson, C. G. (3 VAE)	Nichols
Holt, W. D. (1 VAE)*	Jacksonville, Fla.	Hutson, A. C. (1 Pre-Med)*	Seabrook
Hood, C. D. (2 EE)	McCormick	Hutto, C. F. (1 E-EE)*	Bamberg
Hood, R. W. (4 EE)	Greenville	Hutto, G. A. (1 TC)*	Fort Mill
Hood, W. C. (3 Ch En)	Easley	Hutto, L. O. (1 Ed)*	Batesburg
		Huxford, T. C. (1 E-Ag En)*	Bonneau

Name and Course	Address	Name and Course	Address
Hyder, A. G. (2 A&S)	Anderson	Jones, E. D. (4 TM)	Greer
Hyder, J. D. (2 TM)	Anderson	Jones, E. E. (1 E-ME)*	Savannah, Ga.
Hyland, C. M. (3 Arch)	Wollaston, Mass.	Jones, Grady R. (1 TM)*	Belton
Iler, C. B. (1 TM)*	Greenville	Jones, Guy R. (3 AH)	Buffalo
Ingle, J. A. (4 TC)	Asheville, N. C.	Jones, G. W. (3 TM)	Bishopville
Ingram, H. W. (2 ME)	Rockingham, N. C.	Jones, J. (1 A&S)*	Greer
Ingram, J. H. (2 TM)*	Greenwood	Jones, James D. (4 TM)	Fort Mill
Inman, C. M. (3 AH)	York	Jones, Joseph D. (4 ME)	Marietta
Inman, G. A. (1 A-Ent)*	Columbia	Jones, James E. (1 TM)*	Ware Shoals
Ireland, C. P. (2 A-Agron)	Savannah, Ga.	Jones, Jimmy E. (2 TM)	Belton
Isaacs, O. F. (1 A-Ent)	Chester	Jones, J. H. (4 TM)	Spartanburg
Isenhour, E. F. (1 E-CE)*	Newton, N. C.	Jones, J. O. (3 TM)	Greenville
Isenhour, G. R. (2 TM)	Hickory, N. C.	Jones, M. L. (1 A-AH)*	Lugoff
Islam, M. H. (PG TC & TE)*	Pakistan, India	Jones, M. W. (G EE)†	Clemson
Ivester, J. M. (3 TM)	Greenville	Jones, P. H. (1 A-Agron)	Mullins
Ix, J. A. (2 TM)	Charlottesville, Va.	Jones, R. L. (3 ME)	Pauline
Jackson, J. M. (4 ME)	Rock Hill	Jones, R. W. (3 Ar En)	Spartanburg
Jackson, J. W. (2 ME)	Graniteville	Jones, T. O. (3 TE)	Newberry
Jackson, R. A. (1 Pre-Med)*	Kingstree	Jones, T. W. (1 E-CE)	Bishopville
Jackson, R. S. (4 VAE)	Manning	Jones, W. A. (3 Ag En)	Neeses
Jackson, S. L. (1 A-Dairy)	Tabor City, N. C.	Jones, W. E. (1 E-ME)	Durham, N. C.
Jackson, T. F. (4 AH)	Clover	Jordan, A. B. (4 Ind Ed)	Bishopville
Jackson, W. F. (2 Arch)	Rock Hill	Jordan, H. A. (2 VAE)	Hartsville
Jackson, W. M. (2 Ar En)	Washington, D. C.	Jordan, J. Earl (1 A-AH)*	Florence
Jacobs, R. F. (3 ME)	West Columbia	Jordan, J. Edward (1 E-CE)*	Greer
Jacques, J. R. (G Phys)†	Ware Shoals	Jowers, Q. A. (1 VAE)	Williston
Jaffe, S. (2 EE)	Charleston	Joyner, R. S. (G VAE)	Ward
James, J. H. (3 ME)	Statesville, N. C.	Judy, D. T. (1 E-Ag En)*	Orangeburg
James, J. J. (4 TM)	Pendleton	Jumper, H. M. (1 Pre-Med)*	Gastonia, N. C.
James, R. E. (1 E-TE)*	Wellfleet, Mass.	Justus, H. A. (1 A-AH)	Hendersonville, N. C.
Jameson, H. D. (1 Pre-For)	Easley	Kamine, A. (2 Ar En)	Paterson, N. J.
Jameson, J. D. (1 E-CE)*	Greenville	Karst, W. B. (3 ME)	Greenville
Jameson, J. M. (1 A-Ag Ec)	Liberty	Kates, G. S. (3 TE)	Anderson
Jameson, R. B. (1 A-AH)*	Pendleton	Kay, D. O. (1 TM)*	Chesnee
Jamieson, W. H. (1 TM)*	Greenwood	Kay, R. J. (2 TE)	Trenton, N. J.
Jamison, T. W. (3 EE)	Trenton	Kea, H. M. (2 A-Dairy)	Rocky Ford, Ga.
Jarrett, F. A. (3 TM)	Chester	Kearse, C. M. (1 Pre-For)	Olar
Jeffcoat, G. C. (4 Ag En)	Cope	Kearse, W. S. (4 Ag Ec)	Yonges Island
Jeffords, C. Q. (3 ME)	Florence	Keasler, R. L. (2 TM)	Westminster
Jeffords, L. G. (4 Ag En)	Timmons ville	Keasler, W. B. (4 EE)	Inman
Jeffords, T. H. (2 A-AH)	Florence	Keasler, W. H. (4 TC)	Westminster
Jenkins, A. C. (3 Agron)	Clemson	Keene, W. M. (3 Ar En)	Spartanburg
Jenkins, H. H. (1 Chem)*	Atlanta, Ga.	Keith, J. M. (1 VAE)	Chappells
Jenkins, H. S. (3 Hort)	Wadmalaw Island	Keith, T. C. (3 Hort)	Pickens
Jenkins, J. S. (4 ME)	Gastonia, N. C.	Kelley, E. A. (4 Pre-Med)	Greer
Jenkins, M. C. (4 Agron)	Allendale	Kelly, C. R. (4 Arch)	Charleston
Jenkins, R. F. (G TC)†	Clemson	Kelly, James W. (4 Arch)	Anderson
Jenkins, W. J. (3 Hort)	Osborn	Kelly, John W. (3 Arch)	Central
Johns, E. M. (4 TM)	Spartanburg	Kelly, W. D. (3 Agron)	Leesville
Johns, G. J. (2 EE)*	Pittsburgh, Pa.	Kempson, O. B. (1 TM)*	Kingstree
Johnson, C. L. (3 Ar En)	Sumter	Kendra, F. S. (2 EE)	Ford City, Pa.
Johnson, C. M. (1 A&S)	Tampa, Fla.	Kendrick, T. B. (3 Arch)	Spartanburg
Johnson, F. M. (2 A-AH)	Effingham	Kennedy, C. W. (1 E-TE)	Greenville
Johnson, H. F. (1 TM)*	Inman	Kennedy, F. D. (1 Ed)*	Midland, Pa.
Johnson, H. J. (2 EE)	Darlington	Kennemore, C. M. (4 A&S)	Easley
Johnson, H. P. (1 TM)*	Lancaster	Kennette, G. L. (2 TM)	Wellford
Johnson, H. T. (3 VAE)	Inman	Kennette, T. F. (1 TM)*	Wellford
Johnson, J. A. (4 TM)	Warrenville	Kennette, W. H. (4 TM)	Wellford
Johnson, J. E. (2 ME)	Reidsville, N. C.	Kennington, V. W. (1 TM)*	Lancaster
Johnson, J. K. (4 ME)	Clinton	Kerr, W. E. (1 VAE)*	Pineville, N. C.
Johnson, J. R. (1 E-Ch En)*	Orangeburg	Kersey, R. N. (Unc)*†	Clemson
Johnson, L. C. (1 Pre-Med)*	Charleston	Kesler, P. L. (2 CE)*	Lavonia, Ga.
Johnson, L. J. (1 TM)*	Marion	Key, J. T. (2 EE)	Columbia
Johnson, R. B. (2 A-AH)	Sumter	Kilpatrick, J. C. (1 E-Ch En)*	Charleston
Johnson, R. D. (1 E-CE)*	Charlotte, N. C.	Killingsworth, A. B. (3 EE)	Aiker
Johnson, R. N. (2 CE)	Marion	Kinard, G. C. (G Ed)	Walhall
Johnson, W. V. (2 ME)	Greenville	Kinard, H. J. (1 E-TE)*	Greenwood
Johnston, T. E. (4 VAE)	Moncks Corner	Kinard, K. M. (1A-Ag Ec)*	Ruffin
Jolley, B. B. (1 E-TE)*	Fitzgerald, Ga.	Kinard, R. H. (3 Agron)	Islandton
Jolly, J. (3 ME)	Gaffney	Kinard, W. J. (1 E-Ag En)*	Smoak
Jones, A. L. (3 Ag En)	Saluda	Kincaid, W. L. (G Phys)†	Salisbury, N. C.
Jones, C. E. (2 TM)	Gaffney	King, E. L. (4 AH)	Chesterfield
Jones, C. L. (2 A-AH)	Ridgeway	King, F. D. (1 TM)*	Seneca
Jones, D. M. (2 A-Agron)	Glenn Springs		

Name and Course	Address	Name and Course	Address
King, Harry L. (1 E CE)*	Atlanta, Ga.	Layton, R. D. (1 TM)	Anderson
King, Henry L. (2 CE)	Clemson	Leavy, C. F. (3 CE)	Brunswick, Ga.
King, J. C. (3 Ag En)	McBee	Lebert, E. U. (1 TM)*	North Adams, Mass.
King, J. H. (4 Pre-Med)	Loris	Ledbetter, N. G. (2 EE)*	Columbia
King, J. L. (1 A-Agron)	Greenville	Lee, D. L. (4 TE)	Fort Mill
King, J. R. (1 TM)	Cincinnati, Ohio	Lee, G. A. (1 Cr En)*	Walhalla
King, J. T. (1 E-CE)*	Loris	Lee, W. A. (4 CE)	Elberton, Ga.
King, L. C. (1 TM)*	West Columbia	LeFevre, L. B. (4 ME)	Augusta, Ga.
King, L. O. (2 Ar En)	Anderson	Leffard, J. H. (1 E-EE)*	McKeesport, Pa.
King, M. J. (3 A&S)	Belton	Lefort, H. G. (2 EE)	Upper Marlboro, Md.
King, R. L. (1 TM)	Abbeville	Legare, L. N. (1 TE)	Moultrieville
King, T. A. (1 TM)	Anderson	LeGette, M. A. (2 Ind Phys)	Floral Park, N. Y.
Kinlaw, J. A. (2 VAE)	Lumberton, N. C.	LeGrand, D. C. (3 TM)	Greenville
Kinney, M. E. (2 TM)	Valley Stream, N. Y.	Lehman, J. H. (1 A-AH)*	Montreal, Canada
Kinsler, J. D. (1 E-ME)*	Central	Leland, A. W. (1 A-AH)*	Wadmalaw Island
Kirby, D. A. (3 AH)	Timmonsville	Lemmon, O. C. (1 A-AH)	Latta
Kirby, H. P. (1 TM)*	Drayton	Leonard, D. H. (1 TM)*	Anderson
Kirby, W. M. (3 TM)	Laurens	Leonard, G. T. (3 Hort)	Asheville, N. C.
Kirkpatrick, W. B. (1 A)*	Winnboro	Leopard, E. M. (3 TM)	Woodruff
Kirsch, I. (1 E-TE)*	New York, N. Y.	LeRoy, J. L. (3 Pre-For)	Troy
Kizer, L. E. (3 Agron)	Florence	Leslie, J. B. (3 A&S)	Easley
Klinec, D. C. (2 ME)	North Augusta	Lesslie, W. P. (2 Pre-Med)	Rock Hill
Knight, A. M. (1 E-EE)*	Simpsonville	Levenson, B. (4 ME)	Brooklyn, N. Y.
Knight, E. L. (G)	Andrews	Lever, H. J. (1 A-AH)*	McConnellsville
Knight, E. R. (2 Ag En)	Cheraw	Lever, J. J. (4 Ag Ec)	Anderson
Knight, J. C. (3 EE)	Summersville	Lever, M. D. (4 AH)	McConnellsville
Knight, L. A. (4 TM)	Greenville	Lever, O. R. (3 A&S)	Naval Base
Knight, R. H. (3 Ed)	Rock Hill	Levy, M. A. (4 Arch)	Naval Base
Knight, W. D. (1 E-TE)*	Aiken	Lewis, D. B. (3 AH)	Mullins
Knoebel, F. W. (2 ME)	West Orange, N. J.	Lewis, H. W. (1 A-Dairy)	Yonkers, N. Y.
Kohn, S. H. (2 Ind Ed)	Charleston	Lewis, K. E. (3 AH)	Mullins
Koon, J. A. (2 TM)	Whitmire	Lewis, M. L. (1 A)*	Myrtle Beach
Koon, R. B. (1 TC)*	Lancaster	Lewis, R. S. (4 ME)	Washington, D. C.
Kozlow, A. (2 ME)*	Philadelphia, Pa.	Lewis, T. W. (4 Chem)	Spartanburg
Krause, J. G. (2 A-Dairy)*	Union Mills, N. C.	Lewis, W. H. (3 TM)	Pickens
Krissak, R. F. (1 E-Ch En)*	Carteret, N. J.	Lewis, W. L. (1 E-EE)*	Calhoun, Ga.
Kyzer, P. H. (1 E-TE)*	Leesville	Leysath, H. H. (2 A-Agron)	North
Labra, G. P. (3 Ar En)	Brooklyn, N. Y.	Liebenrood, A. E. (2 A-AH)	Mt. Pleasant
LaBrasca, G. (4 A&S)	Charleston	Liebenrood, G. H. (2 A-AH)	Mt. Pleasant
Lacey, J. R. (4 VAE)	Ravenel	Lightsey, D. G. (1 A-Agron)	Fairfax
Lachicotte, W. F. (4 AH)	Pawleys Island	Lightsey, H. M. (2 A-Agron)	Columbia
Lackey, F. V. (1 VAE)	Lake City	Ligon, C. L. (1 E-ME)*	Heath Springs
Laffoday, W. C. (3 A&S)	Lamar	Ligon, H. B. (4 Pre-Med)	Iva
Lambert, J. W. (2 TM)	Woodruff	Ligon, W. E. (1 A)*	Easley
LaMontagne, J. L. (1 E-CE)*	Sumter	Lindler, B. J. (1 VAE)*	Saluda
Lamoureux, C. O. (4 TE)	Spartanburg	Lindler, F. M. (1 E-ME)*	Startex
Lancaster, B. S. (3 TM)	Jonesville	Lindsay, J. B. (3 Arch)	Clemson
Lancaster, F. L. (4 ME)	Port Royal	Lindsay, J. D. (1 A-Agron)*	Clemson
Land, J. E. (2 ME)	Buffalo	Lindsay, R. J. (2 TM)	Clemson
Landrum, J. B. (3 Arch)	Columbia	Lindsey, F. M. (1 E-CE)	Taylors
Laney, D. F. (1 A)*	Bishopville	Lindstedt, G. W. (2 A&S)	Holly Hill
Langford, T. H. (4 A&S)	Ridgeland	Lineberger, T. E. (4 Ind Ed)	Greenville
Langley, I. L. (2 TM)	Lynchburg, Va.	Link, J. B. (2 CE)	McCormick
Langley, J. F. (4 Ar En)	Conway	Lipton, J. J. (3 Pre-Med)	Beaufort
Langston, C. L. (3 TM)	Darlington	Lipton, M. (Unc)†	Clemson
Langston, M. A. (3 Agron)	Timmonsville	Liston, J. W. (2 A&S)	Smocks
Lanham, J. P. (3 Dairy)	Edgefield	Littlejohn, G. W. (2 VAE)	Cowpens
Lark, H. J. (4 EE)	Easley	Littlejohn, H. B. (4 VAE)	Pacolet
Lark, R. E. (4 TM)	Greenville	Littlejohn, J. N. (2 A-Hort)	Sumter
LaRoche, J. J. (1 E-ME)	Charleston	Littlejohn, L. S. (2 VAE)	Greenville
Latham, D. L. (4 TM)	Iva	Livingston, A. C. (1 TM)*	Ninety Six
Latham, R. C. (G)†	Clemson	Livingston, J. P. (1 A-Agron)*	Springfield
Latt, J. G. (1 E-CE)	Hendersonville, N. C.	Livingston, M. W. (3 AH)	North
Laughlin, R. C. (4 TM)	Florence	Livingston, O. W. (3 TM)	Columbia
Lawrence, J. M. (4 Ag Ec)	Seneca	Lloyd, G. M. (4 Ch En)	Charleston
Lawrence, R. T. (3 Arch)	Memphis, Tenn.	Lockaby, R. H. (4 Ed)	East Flat Rock, N. C.
Lawrimore, I. B. (2 Agron)	Hemingway	Locke, D. F. (3 ME)	Spartanburg
Lawrimore, R. C. (1 A&S)	Georgetown	Lockman, W. D. (2 ME)	Chesnee
Lawson, L. C. (1 A-Agron)*	Darlington	Loftis, C. E. (3 Ind Ed)	Pickens
Lawson, T. W. (1 TM)*	Cornelia, Ga.	Lollis, C. H. (1 TM)*	Easley
Lawton, H. T. (1 Arch)*	Estill	Long, Cephus W. (4 CE)	Newberry
Lay, B. S. (2 Ag En)	Westminster	Long, Charles W. (2 TE)	Conway
Lay, C. W. (1 E-Ag En)	West Union	Long, J. S. (1 E-TE)*	Piedmont
Lay, J. F. (4 Ag En)	Central		

Name and Course	Address	Name and Course	Address
Long, R. M. (3 TM)	Edgemoor	McCracken, W. R. (1 VAE)*	Waynesville, N. C.
Long, R. O. (2 CE)	Walhalla	McCrary, R. K. (3 ME)	Greenville
Longshore, H. B. (1 E-ME)	Laurens	McCrary, P. H. (4 TM)	Spartanburg
Longshore, H. F. (3 Ag En)	Newberry	McCreight, C. R. (3 Arch)	Columbia
Lorelle, R. R. (1 A-AH)	Brooklyn, N. Y.	McCulloch, J. E. (1 TM)*	Gaffney
Love, H. G. (PG Arch)	Columbia	McCulloch, J. I. (2 TM)	Gaffney
Love, H. M. (4 Arch)	Chester	McCullough, T. A. (1 E-TE)*	Hendersonville, N. C.
Love, R. L. (3 VAE)	Hendersonville, N. C.	McCurry, T. M. (3 Ch En)	Anderson
Lovelace, L. H. (3 A&S)	Gaffney	McDaniel, B. F. (4 ME)	Pickens
Lovelace, O. F. (3 Dairy)	Prosperity	McDonald, G. S. (3 TM)	Chester
Lovell, G. A. (3 TM)	Liberty	McDonald, H. C. (4 Arch)	Brevard, N. C.
Lowder, H. B. (4 Ind Ed)	Albemarle, N. C.	McDonald, H. M. (2 A-Agron)	Hartsville
Lowe, A. H. (4 TM)	Warrenville	McDonald, M. E. (1 E-CE)*	Ashburn, Ga.
Lowery, R. M. (1 TM)*	Greenville	McDonald, W. A. (3 Arch)	Johnson City, Tenn.
Loy, V. A. (1 A-Ent)*	Florence	McDowell, E. D. (1 A)*	Elliot
Lubash, V. I. (3 TM)	New York, N. Y.	McDowell, L. A. (2 VAE)*	Inman
Lubs, H. R. (1 E-CE)*	Charleston	McElveen, C. D. (4 AH)	Columbia
Lucas, C. C. (1 A)*	Gaston	McElveen, M. F. (2 VAE)	Florence
Lumley, H. (4 TE)	Greenwood	McEntire, H. A. (1 E-CE)*	Columbia
Lumley, T. (1 E-TE)*	Greenwood	McFaddin, N. J. (PG VAE)	Sardinia
Lunn, J. E. (2 A-Ag Ec)	Florence	McFalls, D. L. (3 Ind Phys)	Rutherfordton, N. C.
Lunsford, P. R. (4 TM)	Charlotte, N. C.	McGee, E. T. (2 Ag En)	Anderson
Lupo, G. M. (4 TE)	Charlotte, N. C.	McGee, G. E. (1 A)	Anderson
Lusk, J. A. (3 Arch)	Johnson City, Tenn.	McGill, A. C. (1 E-ME)*	Charlotte, N. C.
Lusk, L. B. (1 TM)*	Walhalla	McGill, J. B. (1 E-Ag En)*	Anderson
Lusk, L. J. (1 TM)	Greenville	McGill, J. N. (4 CE)	Anderson
Lyda, H. R. (1 VAE)*	Edneyville, N. C.	McGinnis, J. S. (4 AH)	Mooresboro, N. C.
Lynes, R. M. (PG ME)	Durham, N. C.	McGinty, R. A. (PG Arch)	Clemson
Lynn, W. W. (3 Agron)	Filbert	McGraw, J. F. (1 Pre-Med)*	Hendersonville, N. C.
Lyon, G. H. (G)*	Lumberport, W. Va.	McGregor, D. D. (2 CE)*	Chesterfield
Lyons, J. L. (3 TM)	Beaufort	McGregor, W. H. D. (3 A&S)	Greenville
Lytle, D. G. (4 EE)	New York, N. Y.	McGuire, H. N. (3 TC)	Clemson
Lytle, W. A. (1 E-EE)*	Tyrone, Pa.	McGuirt, H. V. (4 TM)	Fort Mill
McBride, L. M. (3 EE)	Parkersburg, N. C.	McIntyre, J. B. (2 TM)	Arcadia
McCaern, J. G. (1 E-EE)*	Concord, N. C.	Melver, W. C. (2 Pre-Med)	Marion, N. C.
McCall, B. G. (4 A&S)	Ellerbe, N. C.	McKay, A. S. (4 Dairy)	Hendersonville, N. C.
McCall, D. L. (3 Ag Ec)	Hendersonville, N. C.	McKay, R. (2 Ed)	Washington, D. C.
McCall, H. E. (2 A-AH)	Hendersonville, N. C.	McKee, G. A. (2 CE)	Mooresville, N. C.
McCall, P. L. (1 A-Ag Ec)	Hartsville	McKee, J. L. (3 Ent)	Chester
McCall, W. R. (1 Arch)*	Hartsville	McKenzie, G. S. (G VAE)	Mullins
McCants, J. G. (3 TM)	Winnsboro	McKenzie, O. K. (2 VAE)	Mullins
McCants, R. S. (4 AH)	Orangeburg	McKenzie, S. J. (1 VAE)*	Lake City
McCarey, G. H. (4 A&S)	Tallahassee, Fla.	McKinnell, R. E. (2 ME)	Florence
McCarthy, O. P. (1 Ed)*	Manasquan, N. J.	McKinney, D. L. (3 TM)	Spartanburg
McCaskill, M. J. (2 A-Agron)	Bethune	McKinney, R. B. (3 TM)	Pickens
McCauley, H. R. (1 Arch)*	Greenville	McKinney, S. J. (2 ME)	Greenville
McCauley, J. P. (1 Ed)	Washington, D. C.	McLain, J. R. (4 VAE)	Chesterfield
McCauley, W. H. (1 E-ME)*	Greenville	McLaulin, N. S. (1 Pre-Med)*	Columbia
McClain, J. B. (4 TE)	Inman	McLaurin, A. H. (3 A&S)	Bennettsville
McClamroch, W. C. (4 Arch)	Pascagoula, Miss.	McLaurin, C. D. (1 E-Ag En)*	Blenheim
McClellan, H. H. (3 TE)	Greenville	McLaurin, J. F. (4 Pre-Med)	Bennettsville
McClure, F. A. (4 EE)	Varnville	McLean, J. N. (2 EE)	Greenville
McClure, F. W. (1 TM)*	Travelers Rest	McLean, N. M. (2 A-AH)	Orangeburg
McClure, T. G. (4 TM)	Anderson	McLellan, B. G. (1 E-TE)*	Florence
McClure, W. H. (1 E-Ag En)*	Landrum	McLendon, C. R. (2 A&S)	Columbus, Ga.
McCombs, C. W. (2 TM)	Easley	McLeod, A. C. (1 A)*	McBee
McCombs, J. W. (4 Ind Ed)	Greenwood	McLeod, B. E. (4 EE)	Georgetown
McCommas, J. A. (3 AH)	Elizabethtown, N. C.	McLeod, G. T. (3 TM)	Greenville
McConnell, F. M. (4 Ag Ec)	Seneca	McLeod, H. E. (3 Ag En)	Rembert
McConnell, H. E. (2 EE)	Piedmont	McLeod, J. F. (2 A)	Chesterfield
McConnell, J. E. (2 A-AH)	Seneca	McLeod, R. L. (4 ME)	Sumter
McConnell, J. H. (4 Ind Ed)	Anderson	McLin, R. E. (3 AH)	Ridgeland
McConnell, J. T. (2 ME)	Abbeville	McMahan, J. D. (3 TM)	Columbia
McCord, A. S. (1 E-ME)*	Charlotte, N. C.	McMahan, J. W. (4 TM)	Greenville
McCormick, L. S. (1 E-EE)	Orangeburg	McMeekin, T. C. (2 A)	Glenside, Pa.
McCown, C. D. (1 E-EE)*	Effingham	McMillan, H. C. (3 Ar En)	Spartanburg
McCoy, D. W. (4 TM)	Lynchburg, Va.	McMillan, J. P. (1 A-AH)*	Mullins
McCoy, L. T. (3 Arch)	Belton	McMillan, J. S. (4 Ag En)	Allendale
McCoy, T. R. (3 Ar En)	Anderson	McMillan, L. L. (2 Arch)	Spartanburg

Name and Course	Address	Name and Course	Address
McMillan, W. J. (2 A-Agron)	Allendale	Matthews, T. E. (1 A&S)*	Charlotte, N. C.
McMullan, J. H. (3 Ag En)	Cornelia, Ga.	Matthews, W. D. (3 A&S)	Manning
McNair, J. E. (2 CE)*	Gastonia, N. C.	Mattox, W. R. (3 A&S)	Columbia
McNair, S. M. (1 A)	Hartsville	Mauldin, E. L. (1 A&S)	Easley
McPherson, P. (2 TM)	Lockhart	Mauldin, J. E. (3 CE)	Anderson
McRae, C. K. (4 AH)	Gresham	Mauldin, W. A. (3 CE)	Anderson
McRae, W. E. (4 EE)	Bennettsville	Maxfield, B. G. (3 AH)	Hodges
McSwiney, T. L. (2 ME)	Jacksonville, Fla.	Maxfield, G. E. (1 E-CE)*	Jacksonville, Fla.
McTeer, H. C. (1 A&S)*	Columbia	May, D. S. (4 A&S)	Calhoun Falls
McWhite, J. R. (1 Arch)*	Sumter	Mays, K. W. (2 A&S)	Columbia
McWhorter, C. F. (1 E-ME)*	Liberty	Mays, W. C. (4 Arch)	Fair Play
Mabry, C. R. (1 E-TE)*	Greenville	Mayson, J. M. (3 VAE)	McCormick
Mace, R. G. (4 Ag En)	Gresham	Medford, D. E. (1 TM)	Walhalla
Machen, R. H. (3 TM)	Greenville	Medlin, E. W. (3 AH)	Hartsville
Mack, D. T. (1 VAE)*	Cordova	Meetz, J. E. (1 Ed)*	Gaffney
Mack, J. H. (3 Arch)	Garnett	Meiburg, C. O. (1 A&S)*	Clemson
Mack, T. E. (4 TM)	Union	Melnyk, J. (1 TM)*	Brooklyn, N. Y.
Mack, W. C. (2 ME)	Garnett	Melnyk, W. C. (3 Ar En)	Brooklyn, N. Y.
Mackenzie, M. B. (4 Arch)	Charleston	Melton, L. G. (4 AH)	Lyman
Macmillan, B. W. (1 A&S)*	Charleston	Menendez, R. I. (2 ME)	Charleston
Maddox, C. J. (3 AH)	Gaffney	Mercer, J. T. (1 A&S)	Georgetown
Maddox, H. M. (4 A&S)	Easley	Mercer, W. E. (2 CE)	McClellanville
Maffett, C. W. (4 CE)	Johnston	Merchant, V. E. (3 Pre-Med)	Barnwell
Magill, H. F. (2 TE)	Concord, N. C.	Merck, H. W. (1 E-EE)*	Greenville
Magruder, L. M. (4 A&S)	Sarasota, Fla.	Meredith, J. R. (3 VAE)	Seneca
Major, B. J. (1 E-ME)*	Mooreville, N. C.	Merritt, H. C. (3 Arch)	Columbia
Major, J. E. (1 E-Ag En)*	Pahokee, Fla.	Messervy, L. W. (2 EE)	North Charleston
Major, L. S. (G Ed)†	Anderson	Metcalf, J. Q. (4 EE)	Greenville
Malphrus, L. D. (Unc)†	Clemson	Metts, W. C. (4 VAE)	Brookings, S. Dak.
Malphrus, T. W. (2 Ar En)*	Ridgeland	Metz, W. W. (3 TM)	Iva
Maney, E. D. (4 Ag En)	West Asheville, N. C.	Meyer, G. M. (1 E-EE)	Charleston
Mangrum, W. C. (1 A)*	Franklin, Tenn.	Michael, M. G. (3 TC)	Linwood, N. C.
Mangum, D. (2 A-AH)	Spartanburg	Mickle, H. L. (4 TM)	Rock Hill
Mann, C. L. (1 Arch)	Winnboro	Micklus, A. J. (1 Ed)*	Bayonne, N. J.
Mann, T. C. (3 Pre-Med)	Greenville	Miller, B. I. (1 E-EE)*	Honea Path
Manning, W. M. (3 Agron)	Columbia	Miller, B. M. (3 Ind Ed)	Liberty
Manos, J. P. (1 Ed)	Brooklyn, N. Y.	Miller, C. L. (4 TM)	Greenville
Mappus, E. R. (4 ME)	Naval Base	Miller, D. C. (4 Ind Ed)	Summerville
Mappus, F. J. (3 ME)	Charleston	Miller, D. O. (4 TE)	Chester
Marett, J. D. (1 VAE)	Greenville	Miller, E. E. (1 Pre-Med)*	Jefferson
Marscher, W. F. (4 ME)	Beaufort	Miller, F. D. (3 TM)	Newberry
Marshall, H. E. (1 Cr En)*	Greenville	Miller, H. H. (1 Pre-Med)	Jefferson
Marshall, W. C. (3 VAE)	Heath Springs	Miller, J. R. (4 A&S)	Georgetown
Marthers, W. C. (2 A-AH)	Winnboro	Miller, J. W. (4 TM)	Greenville
Martin, A. B. (1 E-CE)*	Spartanburg	Miller, J. W., Jr. (1 E-EE)	Greenville
Martin, A. N. (1 E-ME)*	Winston-Salem, N. C.	Miller, R. J. (3 Poul)	Atlanta, Ga.
Martin, C. B. (4 TM)	Greenville	Miller, R. W. (1 TM)*	Augusta, Ga.
Martin, D. C. (1 A-AH)*	Travelers Rest	Miller, S. J. (1 E-CE)*	Belton
Martin, E. E. (2 A&S)	Greenwood	Miller, T. D. (4 TM)	Chester
Martin, E. H. (4 AH)	Conway	Milling, D. L. (1 E-CE)*	Haddonfield, N. J.
Martin, E. M. (3 VAE)	Sumter	Millsap, J. E. (4 Ag Ec)	Gable
Martin, F. W. (1 Chem)*	Bennettsville	Mims, J. A. (2 ME)	Florence
Martin, T. R. (1 A)*	Anderson	Mims, S. S. (2 Ch En)	Atlanta, Ga.
Martin, W. E. (1 Ar En)*	Greenville	Minshaw, C. T. (3 Ind Ed)	Johns Island
Martin, W. H. (1 E-Ch En)*	Williston	Minshaw, R. H. (1 E-ME)*	Johns Island
Martin, W. T. (3 TM)	Lawndale, N. C.	Minton, R. H. (1 Arch)	Mountainside, N. J.
Mason, C. L. (2 Ag En)	Madison, Ga.	Mintz, W. H. (3 Ch En)	Heath Springs
Mason, H. D. (2 Agron)	Westminster	Mitchell, J. E. (4 Ind Ed)	Augusta, Ga.
Mason, R. W. (2 TC)	Rock Hill	Mitchell, J. W. (2 Pre-Med)	Walterboro
Mason, Z. T. (2 VAE)	Manning	Mitchell, L. A. (4 Ch En)	Folly Beach
Massey, C. R. (1 E-CE)*	Walhalla	Mitchell, L. S. (3 CE)	Walterboro
Massey, T. A. (2 TM)	Walhalla	Mitchell, W. H. (1 E-Ag En)*	Mt. Pleasant
Masters, W. H. (1 TM)	Easley	Mixon, L. C. (4 TM)	Aiken
Mathews, R. D. (3 Dairy)	McKeesport, Pa.	Mixon, L. J. (1 E-ME)	Williamston
Mathias, W. L. (4 TC)	Lexington	Mize, L. (2 EE)	Walhalla
Mathis, B. W. (2 TM)	Pacolet Mills	Mobley, G. A. (2 TE)	Simpsonville
Matthews, D. M. (2 ME)	Charlotte, N. C.	Moisson, W. C. (4 CE)	Greenville
Matthews, G. U. (1 E-Ag En)*	Hemingway	Monroe, J. B. (Unc)†	Clemson
Matthews, J. (2 A-Agron)	Seranton	Monroe, T. L. (4 Ag Ec)	Marion
Matthews, J. D. (1 E-EE)	West Columbia	Monroe, W. E. (2 A&S)	Clemson
Matthews, Joseph D. (1 VAE)*	Timmons ville	Montone, N. A. (4 EE)	Westminster
Matthews, J. S. (1 Pre-Med)*	Denmark	Monts, D. D. (2 A-Agron)	Sandersville, Ga.

Name and Course	Address	Name and Course	Address
Moody, B. D. (1 A)*	Dillon	Murphy, H. G. (1 E-EE)*	Cambridge, Md.
Moody, R. J. (2 ME)	Greenville	Murray, E. S. (1 A&S)	Cleveland
Mooney, C. W. (2 Ed)	Starke, Fla.	Murray, J. (1 E-TE)*	New York, N. Y.
Mooneyhan, J. L. (2 TM)	West Columbia	Myers, J. C. (3 TM)	Westminster
Moore, D. W. (1 TM)*	Greenville	Myers, R. E. (1 E-EE)*	East Haven, Conn.
Moore, E. T. (4 VAE)	Lake City	Naismith, D. E. (1 Ar En)	Savannah, Ga.
Moore, E. W. (3 Ent)	Westminster	Neal, J. L. (4 TC)	Fort Mill
Moore, G. M. (1 A&S)*	Seneca	Neel, H. J. (2 Ed)	Owensboro, Ky.
Moore, J. P. (2 ME)	Augusta, Ga.	Neeley, B. B. (4 Arch)	Columbia
Moore, J. Thomas (1 E-EE)*	Union	Neely, A. M. (1 E-EE)*	Rock Hill
Moore, J. Thurmond (1 TM)	Inman	Neely, C. E. (1 E-EE)*	Charlotte, N. C.
Moore, J. W. (2 ME)	Columbus, Ga.	Neighbors, J. D. (2 A-Hort)	Beaufort
Moore, K. L. (1 Ed)*	Calhoun, Ga.	Neighbour, O. J. (1 E-ME)	Spartanburg
Moore, M. C. (1 Ed)*	Union	Neister, A. F. (2 TM)	Spartanburg
Moore, P. N. (2 TM)	Sumter	Nelson, C. H. (2 ME)	Westminster
Moore, R. E. (2 A-AH)*	Duncan	Nelson, K. E. (1 E-EE)	Greenville
Moore, R. L. (1 E-ME)	Charlotte, N. C.	Nelson, V. W. (3 Ar En)	Philadelphia, Pa.
Moore, R. T. (4 VAE)	Piedmont	Nesbit, W. J. (1 A&S)	St. Petersburg, Fla.
Moore, T. E. (1 TM)	Central	Nettles, B. L. (2 EE)	Charleston
Moore, U. B. (4 TM)	La France	New, F. H. M. (1 E-EE)	Glendale
Moore, V. O. (3 Ag Ec)	Lake City	Newcomer, G. C. (1 E-EE)*	Nashville, Tenn.
Moore, W. E. (1 Arch)*	Charleston	Newman, G. W. (1 TM)	Columbia
Moore, W. G. (1 E-CE)*	Olanta	Newsome, W. E. (1 Pre-Med)*	Sandersville, Ga.
Moore, W. L. (2 TE)	Greenville		
Moorer, V. D. (1 Ar En)*	Washington, D. C.	Newton, A. F. (2 Ind Ed)	Clemson
Moorhead, D. T. (1 TM)	Pendleton	Newton, D. T. (4 Ind Ed)	Central
Moorhead, L. J. (2 Ind Ed)	Anderson	Newton, E. (2 EE)	Chester
Moorman, W. C. (4 CE)	Florence	Newton, J. B. (3 AH)	Myrtle Beach
Morgan, A. B. (4 CE)	New Orleans, La.	Newton, R. R. (1 E-EE)*	Gibson, N. C.
Morgan, H. D. (4 Ag Ec)	Seneca	Nichols, C. M. (2 CE)	Leesville
Morgan, H. E. (3 Ind Ed)	Salisbury, N. C.	Nichols, C. S. (2 TM)	Newberry
Morgan, L. R. (2 A-Ent)	Central	Nicholson, J. R. (4 VAE)	Westminster
Morgan, M. J. (4 Ag Ec)	Seneca	Nickles, R. B. (1 A-AH)*	Hodges
Morgan, M. L. (3 Agron)	Oakboro, N. C.	Nickles, W. A. (4 Ag En)	Hodges
Morgan, Thomas W. (3 EE)	Starxet	Niver, J. M. (2 TM)	Bluffton
Morgan, Tom W. (2 EE)	Clemson	Nixon, J. B. (1 E-EE)*	Conway
Morick, K. F. (3 EE)*	Orangeburg	Noel, E. W. (1 A&S)	Saluda
Morraha, J. E. (1 E-ME)*	Greensboro, N. C.	Nolte, A. T. (1 E-EE)*	Charleston
Morraha, S. P. (3 TM)	Greensboro, N. C.	Nolte, F. E. (2 Ag En)	Charleston
Morris, A. R. (2 A-AH)	Olar	Norman, A. W. (3 A&S)	Clemson
Morris, C. B. (3 TC)	Spartanburg	Norris, C. S. (1 E-EE)*	Naval Base
Morris, H. C. (1 E-Ag En)*	Olar	Norris, J. M. (2 TM)	Catechee
Morris, J. C. (3 Ar En)	Spartanburg	Norton, L. N. (1 VAE)	Nichols
Morrison, A. H. (4 TM)	Great Falls	Norton, P. F. (2 TM)	McColl
Morrison, J. A. (1 E-CE)	Winchester, Mass.	Norton, R. E. (4 Arch)	Florence
Morrison, W. G. (1 E-EE)*	Anderson	Nott, T. E. (4 ME)	Charlotte, N. C.
Morrow, B. R. (2 TM)	Spartanburg	Novit, B. J. (3 Ind Ed)	Charleston
Morrow, C. B. (4 EE)	Clover	Nowell, J. G. (2 TM)	Charleston
Morton, E. F. (2 CE)	Lancaster	Nowell, V. H. (4 Arch)	Savannah, Ga.
Moscovitz, J. M. (1 Ar En)*	Greenville	Nuckols, J. N. (2 TM)	Westminster
Moseley, B. P. (1 E-EE)*	Abbeville	Nunnery, H. F. (1 E-EE)	Chester
Moss, A. A. (G)†	Clemson	Nunnery, S. A. (1 E-ME)*	Edgemoor
Moss, J. M. (4 Chem)	Cameron	Nunnery, T. W. (2 Ag En)	Edgemoor
Mosteller, G. W. (4 Ed)	Greer	Oates, J. E. (2 A&S)	Easley
Mosteller, J. E. (3 VAE)	Gaffney	O'Brien, R. E. (3 Agron)	Eutawville
Moyd, D. L. (4 TE)	Ninety Six	O'Brien, W. H. (1 E-Ag En)*	Norway
Moyd, J. T. (1 E-Ch En)*	Ninety Six	O'Byrne, W. (1 E-EE)*	Liberty
Moyd, P. K. (3 Pre-Med)	Ninety Six	O'Dell, G. D. (1 A-Dairy)	Easley
Muehsam, N. E. (1 TM)	New York, N. Y.	O'Dell, W. T. (G Dairy)†	Easley
Muldrow, R. J. (1 A-Agron)	Florence	O'Dear, W. E. (1 E-ME)*	Canton, N. C.
Muldrow, R. W. (2 ME)	Sumter	Oetgen, J. W. (2 ME)	Savannah, Ga.
Mull, M. D. (3 Hort)	Anderson	Odum, L. A. (1 Arch)*	Daytona Beach, Fla.
Mullikin, J. A. (4 EE)	Pendleton	Oliver, W. B. (1 E-ME)	Charleston
Mullin, B. J. (3 VAE)	Chadbourne, N. C.	Olson, A. W. (4 A&S)	De Land, Fla.
Mullinax, W. B. (1 E-TE)*	Anderson	Olson, J. C. (1 A-AH)	Decatur, Ga.
Mullinnix, G. A. (2 TM)	Greenville	O'Neal, C. A. (2 A-AH)	Blenheim
Mundy, C. E. (1 TM)	Ware Shoals	O'Neal, J. S. (1 A-AH)	Blenheim
Mundy, H. E. (1 E-TE)*	Abbeville	Onley, W. O. (2 ME)	Columbia
Munn, J. D. (1 E-EE)*	Bishopville	Opt, R. A. (3 TM)	Anderson
Munn, N. R. (3 VAE)	Georgetown	Ormand, J. M. (2 TM)	Thomaston, Ga.
Murdoch, J. P. (1 A)*	Belton	Orr, J. W. (3 ME)	Darlington
Murphy, C. L. (1 E-ME)	Portsmouth, Va.	Orr, R. H. (1 A-Dairy)	Blackstock
Murphy, E. J. (2 ME)	Augusta, Ga.	Ortkiese, L. N. (4 Chem)	New Orleans, La.
		Osborne, P. R. (1 TM)	Kingsport, Tenn.

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Name and Course	Address	Name and Course	Address
O'Shields, J. L. (1 E-TE)*	Calhoun Falls	Pendley, G. C. (2 TE)	Calhoun, Ga.
O'Shields, W. C. (1 VAE)	Startex	Penn, S. R. (4 Arch)	Anderson
Othersen, C. B. (1 E-ME)*	Charleston	Pennell, J. E. (3 Chem)	Anderson
Ott, A. L. (2 Arch)	Columbia	Pennell, R. H. (4 CE)	Spartanburg
Ott, H. F. (1 E-Ag En)*	Swansea	Peppers, C. H. (3 Pre-Med)	Taylors
Outz, M. (3 AH)	Fair Play	Perkins, D. B. (3 EE)	Savannah, Ga.
Owen, B. E. (4 Ind Ed)	Orangeburg	Perry, F. M. (3 CE)	Greenville
Owen, H. L. (1 E-ME)*	Greenville	Perry, T. E. (4 TM)	Anderson
Owen, W. B. (4 TM)	Greenville	Perry, W. J. (2 Arch)	Timmons
Owen, W. C. (G VAE)†	Central	Peszka, S. F. (2 EE)*	Conshohocken, Pa.
Owens, L. F. (2 A&S)	Sumter	Peterman, M. (2 EE)	Warner Robins, Ga.
Owens, R. S. (4 Ch En)	Clinton	Peters, A. H. (4 Ch En)	Summersville
Owings, Z. H. (1 E-ME)*	Greenwood	Peters, C. D. (1 E-CE)*	North
Pace, C. L. (4 TM)	Spartanburg	Peterson, D. E. (1 E-CE)*	Anderson
Pace, J. E. (2 TM)	Spartanburg	Petit, R. E. (1 E-ME)*	Sumter
Pack, J. R. (1 Pre-For)*	Sumter	Pettigrew, R. N. (3 Arch)	Tampa, Fla.
Padgett, J. E. (3 Pre-Med)	Ridgeland	Pettit, S. L. (4 CE)	Pauline
Palmer, N. O. (4 TE)	Norris	Philhower, L. S. (1 A-Ag Ec)*	Williamsburg, Va.
Pamplin, H. O. (1 TM)	McColl	Philippsthal H. F. (2 A-Bot)	North Charleston
Pardue, F. R. (3 TM)	Greenwood	Phillips, C. C. (3 EE)	Blackville
Paris, W. W. (1 Chem)	Keyser, W. Va.	Phillips, W. F. G. (2 EE)	Piedmont
Park, G. R. (4 Ag En)	Winnboro	Phipps, F. V. (1 E-ME)*	Columbia
Park, R. Y. (2 Ag En)	Winnboro	Pinckney, H. T. (1 Pre-For)*	Pritchardville
Parker, C. E. (2 EE)*	Asheville, N. C.	Pinson, J. T. (3 TE)	Anderson
Parker, C. J. (1 A&S)*	Lancaster	Pittman, G. L. (3 AH)	Myrtle Beach
Parker, C. Y. (3 Arch)	Cruger, Miss.	Pittman, J. F. (3 Ag Ec)	Seneca
Parker, G. V. (1 Ar En)*	Greenville	Pittman, R. E. (4 AH)	Dillon
Parker, H. L. (1 A&S)*	Spartanburg	Pitts, H. E. (1 E-TE)*	Clinton
Parker, J. H. (3 Ed)	Norris	Pitts, J. H. (4 Agron)	Clinton
Parker, J. W. (2 Cr En)	Savannah, Ga.	Pitts, P. M. (2 TE)	Clinton
Parker, R. B. (3 TM)	Savannah, Ga.	Plaxico, D. L. (4 ME)	Blacksburg
Parker, R. P. (1 E-Ag En)	Woodcliff, Ga.	Plumley, J. D. (1 Arch)*	Landrum
Parkins, J. A. (3 TM)	Greenville	Plunkett, R. W. (Unc)†	Clemson
Parnell, D. E. (4 Ch En)	Anderson	Plyler, C. D. (3 Ind Ed)	Lancaster
Parnell, J. M. (1 A)*	Timmons	Plyler, J. N. (1 Ind Ed)*	Lancaster
Parnell, J. P. (2 TM)	Calhoun Falls	Plyler, N. W. (1 A&S)*	Lancaster
Parnell, J. S. (2 TM)	Ware Shoals	Poag, W. M. (4 TM)	Joanna
Farr, W. W. (3 Dairy)	Newberry	Polizos, P. J. (1 Ar En)*	Spartanburg
Farris, R. M. (2 EE)*	Brevard, N. C.	Ponder, W. R. (4 A&S)	Williston
Parrott, C. J. (4 TM)	York	Pontisakos, G. (1 A-AH)*	Long Island City, N. Y.
Parsons, B. W. (3 ME)	Rock Hill	Poole, T. B. (3 TM)	Clemson
Parsons, M. O. (3 Pre-Med)	Hemingway	Poole, W. M. (2 TM)	Travelers Rest
Parsons, N. H. (2 Pre-Med)	Georgetown	Pope, J. M. (2 TM)	Naval Base
Pate, D. D. (4 A&S)	Cassatt	Porcher, P. R. (1 E-Ch En)*	Pinopolis
Pate, J. F. (1 TC)*	Canton, N. C.	Porter, J. A. (1 E-Ch En)*	Williston
Pate, M. E. (1 Ar En)*	Winnboro	Porter, R. B. (3 CE)	Winnboro
Pate, O. H. (1 Ar En)*	Bishopville	Poston, M. L. (3 Agron)	Hyman
Patrick, L. W. (G Ed)†	Clemson	Poston, R. L. (1 A)	Hyman
Patten, M. I. (3 Ind Ed)	Easley	Poston, W. C. (2 VAE)	Hyman
Patterson, C. W. (4 TE)	Spartanburg	Poulos, J. T. (4 Ar En)	Spartanburg
Patterson, H. L. (1 E-EE)*	Fort Mill	Poupalos, J. J. (1 E-EE)*	Charleston
Patterson, I. N. (3 A&S)	Clemson	Powell, J. T. (1 VAE)	Johnsonville
Patterson, J. (3 Ar En)	Spartanburg	Powell, J. W. (1 A-Dairy)*	Johnsonville
Patterson, J. R. (1 VAE)*	Campobello	Prater, J. F. (1 A-AH)*	Townville
Patterson, J. V. (3 TM)	Clemson	Pratt, L. D. (1 A-AH)*	Decatur, Ga.
Patterson, W. B. (3 Arch)	Abbeville	Preacher, R. B. (2 A-AH)	Ridgeland
Patterson, W. K. (3 EE)	Greenwood	Preacher, W. C. (2 A-AH)	Ridgeland
Patton, B. C. (2 A-AH)	Fountain Inn	Price, C. A. (1 E-ME)*	Gaffney
Patton, F. J. (4 Ag En)	Pisgah Forest, N. C.	Price, C. J. (3 TE)	Ninety Six
Patton, J. R. (1 E-ME)*	Brevard, N. C.	Price, C. N. (4 VAE)	Wolfton
Patton, R. E. (2 TM)	Fountain Inn	Price, D. C. (3 Dairy)	Gaffney
Patton, R. H. (2 VAE)	Gray Court	Price, G. R. (4 Arch)	Columbia
Pavia, J. F. (3 EE)	New Brunswick, N. J.	Price, J. K. (4 AH)	Gaffney
Paysinger, S. B. (3 Ind Ed)	Ninety Six	Price, M. E. (2 TE)	Ninety Six
Peake, W. D. (3 Ar En)	Arlington, Va.	Pridgeon, H. L. (2 Ar En)	Spartanburg
Pearce, D. L. (1 A-AH)*	New Brunswick, N. J.	Priester, D. K. (1 Pre-Med)*	Hampton
Pearman, D. L. (3 EE)	Donalds	Prim, B. R. (1 TM)*	Columbia
Pearson, H. H. (1 Pre-Med)*	Woodruff	Prince, E. W. (4 Ag Ec)	Gurley
Pearson, W. A. (3 ME)	Greenville	Prince, J. H. (3 CE)	Abbeville
Peay, W. A. (3 VAE)	Pageland	Prince, R. M. (2 Ag En)	Lynchburg
Peeler, J. G. (3 CE)	Asheville, N. C.		
Peigler, C. T. (4 ME)	Greenville		
Pellet, A. B. (4 CE)	Greenville		

Name and Course	Address	Name and Course	Address
Pritchard, G. E. (1 Pre-Med)*	Buffalo, N. Y.	Rhodarmer, B. J. (1 E-TE)*	Canton, N. C.
Probst, C. (G Ed)†	Walhalla	Rhodes, D. (2 A-Dairy)	Estill
Prosser, B. E. (3 VAE)	Hyman	Rhodes, R. H. (2 A-AH)	Effingham
Pruette, R. L. (3 TE)	Monroe, N. C.	Rhyne, F. L. (4 TM)	Gastonia, N. C.
Pruitt, J. R. (4 TM)	Anderson	Rice, B. M. (1 E-EE)	Hartwell, Ga.
Pruitt, L. G. (4 TM)	Anderson	Rice, D. E. (1 Pre-For)*	Bristol, Va.
Pruitt, L. H. (3 TM)	Anderson	Rice, J. H. (4 A&S)	Charleston
Pruitt, M. R. (2 TM)	Anderson	Rice, M. A. (4 Ar En)	Florence
Pugh, L. E. (1 TM)*	Newport News, Va.	Rice, M. D. (3 Dairy)	Kathwood
Pugliese, V. A. (1 A&S)	Washington, D. C.	Rice, P. R. (4 TM)	Anderson
Pursley, J. M. (3 TM)	Clover	Richards, A. J. (1 Pre-Med)*	Denmark
Pursley, W. R. (1 A-AH)*	Filbert	Richardson, C. R. (1 A-AH)*	Chapin
Pusser, L. W. (4 TM)	Chesterfield	Richardson, H. C. (3 TM)	Greenville
Quarles, J. D. (1 A&S)*	Abbeville	Richardson, R. R. (2 A-AH)	Apopka, Fla.
Queen, R. J. (1 Ar En)*	Canton, N. C.	Richbourg, J. B. (4 Pre-Med)	Union
Quinn, E. W. (3 Ag En)	Spartanburg	Richbourg, M. N. (3 Pre-Med)	Orangeburg
Quinn, J. D. (1 Ind Ed)*	Westminster	Richey, J. W. (2 TM)	Ware Shoals
Quinn, J. M. (4 TM)	Inman	Riddle, B. R. (1 E-CE)*	Kannapolis, N. C.
Rabon, W. J. (3 Arch)	Marion	Riddle, B. W. (2 TM)	Woodruff
Radeliff, B. A. (1 A-Poul)*	Norfolk, Va.	Riddle, C. O. (3 CE)	Fountain Inn
Radeliff, C. F. (1 A-Poul)*	Norfolk, Va.	Riddle, L. (4 TM)	Greenville
Ragan, R. C. (2 TM)*	Greenville	Ridenhour, G. C. (4 TM)	Greenville
Ragsdale, L. M. (1 E-CE)	Honea Path	Ridgeway, G. H. (1 A-AH)	Greenville
Raines, H. M. (2 A-AH)	Mountain Rest	Riehlings, L. P. (1 TM)*	Spartanburg
Raines, R. M. (2 Arch)	Miami, Fla.	Riggins, W. R. (2 EE)	Easley
Raines, W. G. (3 TM)	Greenville	Rikard, J. C. (1 TM)*	Rock Hill
Rallings, E. M. (G VAE)	Pageland	Rinehart, W. G. (4 AH)	Leesville
Rampey, W. W. (2 ME)	Easley	Ringer, A. W. (2 EE)	Newberry
Ramsay, J. O. (1 E-CE)*	Sumter	Rion, R. G. (2 TC)	Hartsville
Ramsey, J. E. (3 TM)	Gaffney	Risher, E. D. (3 AH)	Ellenton
Ramsey, P. E. (3 VAE)	Gaffney	Risher, F. G. (1 TM)*	Charleston
Randall, J. B. (1 E-EE)*	Ballston Lake, N. Y.	Ritter, M. W. (3 Ag En)	Hickory, N. C.
Randall, N. A. (1 TC)*	Decatur, Ga.	Rivera, A. M. (1 E-ME)	Guantanamo, Cuba
Randall, W. B. (3 Ind Ed)	Spartanburg	Rivers, J. (1 E-Ag En)*	Charleston
Rankin, D. M. (2 A-AH)	Gastonia, N. C.	Rivers, J. C. S. (4 Ind Phys)	Johns Island
Rast, E. M. (1 A)*	Cameron	Rivers, M. S. (1 Ed)*	Cheraw
Rast, F. M. (1 A-Agron)*	Manning	Rivers, R. N. (1 TM)*	Hampton
Rast, J. D. (1 A)*	Cameron	Roach, W. R. (1 E-TE)	Greenville
Rawl, H. B. (2 Ch En)	Spartanburg	Robbins, C. M. (2 A-Agron)	Dillon
Rawl, H. N. (1 A-Poul)*	Gilbert	Roberts, D. E. (2 VAE)	Chester
Rawls, C. H. (4 TE)	Rock Hill	Roberts, E. W. (3 TE)	Ninety Six
Rawls, J. (1 E-Ch En)*	Rock Hill	Roberts, G. C. (2 EE)	Miley
Rayle, R. F. (4 A&S)	Eastover	Roberts, J. V. (2 TM)	Rutherfordton, N. C.
Razmic, C. F. (1 Ed)*	West Homestead, Pa.	Roberts, P. D. (1 Pre-For)*	Conemaugh, Pa.
Rea, L. M. (2 VAE)	Matthews, N. C.	Roberts, W. P. (3 Ag Ec)	Lugoff
Reaves, B. M. (4 ME)	Bishopville	Robertson, W. B. (3 TC)	Hagerstown, Md.
Reaves, J. C. (1 A-AH)*	Mullins	Robin, B. (3 TM)	Asheville, N. C.
Reddick, C. E. (3 TM)	Sardis, Ga.	Robinette, P. N. (1 TC)*	Pacolet
Redfearn, J. H. (1 E-ME)*	Wadesboro, N. C.	Robinson, J. H. (1 E-Ag En)*	Oswego
Reed, A. J. (1 TM)	Whitmire	Robinson, L. H. (G Phys)†	Greenville
Reed, B. D. (2 A-Agron)	North	Robinson, M. C. (1 E-TE)*	Asheville, N. C.
Reed, D. R. (1 E-EE)*	Nashville, Tenn.	Robinson, S. W. (G)*†	Clemson
Reed, W. H. (3 CE)	Savannah, Ga.	Robison, M. A. (3 AH)	Donalds
Reeder, W. T. (4 EE)	Laurens	Roche, J. J. (1 E-TE)	Sumter
Rees, J. H. (2 TM)	Fayetteville, Tenn.	Rochester, D. E. (4 TE)	Seneca
Reeves, A. N. (3 A&S)	Ravenel	Rochester, J. R. (3 A&S)	Greenville
Reeves, E. R. (4 A&S)	Branchville	Rodgers, C. H. (1 A-Dairy)	Callison
Register, H. I. (2 ME)	Darlington	Rodgers, G. T. (2 A&S)	Pittsburgh, Pa.
Reid, G. P. (4 TM)	Greenville	Rodgers, J. D. (1 A-Agron)*	Seranton
Reid, H. W. (3 Ind Ed)	Piedmont	Roff, W. T. (1 TC)*	Garden City, N. Y.
Reid, J. H. (1 Ar En)*	Sumter	Rogan, T. S. (2 A-Agron)	Greelyville
Reinhardt, W. P. (1 Ar En)*	Newton, N. C.	Rogers, C. L. (1 TM)	Williamston
Reutershan, H. W. (1 E-Ch En)	Springfield, N. J.	Rogers, C. R. (4 TM)	Drayton
Revell, W. H. (1 Ar En)*	Hartsville	Rogers, C. T. (1 A-AH)	Hemingway
Reynolds, H. M. (PG TC)	Edgefield	Rogers, D. J. (1 E-CE)*	Cowpens
Reynolds, J. T. (3 A&S)	Johnstown, Pa.	Rogers, H. C. (3 Agron)	Dillon
Reynolds, L. D. (G VAE)	Timmonsville	Rogers, J. W. (2 A-Hort)	Hartsville
Reynolds, P. G. (3 Ar En)	Sumter	Rogers, Ralph L. (4 EE)	Charleston
Rhame, D. D. (2 Chem)	Denmark	Rogers, Robert L. (3 TM)	Pelzer
Rhea, M. R. (2 EE)	Naval Base	Rogers, S. A. (2 ME)	Mauldin
Rheney, T. B. (4 TM)	Spartanburg	Rogers, W. B. (1 E-EE)*	Greenville
		Rohn, D. F. (1 E-ME)	Dover, N. J.
		Rollins, V. A. (1 E-ME)	Greenville
		Rollins, W. (2 TM)	Kershaw

Name and Course	Address	Name and Course	Address
Roof, L. B. (1 E-CE)*	Lexington	Scott, E. B. (G)†	Clemson
Roof, M. L. (4 TM)	Chester	Scott, F. G. (1 A&S)*	Mt. Pleasant
Roof, T. D. (1 E-ME)*	Columbia	Scott, H. M. (4 Ag En)	Aiken
Roper, D. P. (3 TM)	Spartanburg	Scott, J. C. (2 TM)	Columbia
Rose, L. E. (3 ME)	Sardinia	Scott, J. H. (2 EE)	Honea Path
Rose, O. E. 1 (A)*	Sardinia	Scott, R. B. (3 AH)	York
Rose, W. R. (1 E-TE)*	Timmonsville	Scott, S. L. (1 TM)	Darlington
Rothell, J. G. (2 TC)*	Saluda	Seaborn, G. W. (4 VAE)	Walhalla
Roux, J. A. (1 A-AH)	Spartanburg	Seaborn, L. A. (1 E-TE)*	Marietta, Ga.
Rowe, H. B. (1 Arch)*	Hartsville	Seago, B. M. (3 TE)	Vaulseuse
Rowe, O. R. (2 ME)	Charlotte, N. C.	Sears, W. B. (4 TM)	Clemson
Rowland, L. M. (1 TM)	Walhalla	Sease, E. C. (2 ME)	Columbia
Royals, L. (1 VAE)*	Conway	Sease, F. D. (3 Agron)	Ehrhardt
Rozier, C. M. (4 VAE)	Lake View	Sease, J. (1 Pre-Med)*	Ehrhardt
Ruitenber, C. O. (2 Arch)	Paterson, N. J.	Sedberry, D. D. (1 Pre-For)*	Hartsville
Rushton, H. G. (3 TE)	Greenville	Sedberry, D. W. (1 Arch)*	Hartsville
Russell, R. C. (1 E-Ag En)*	Bonneau	Seigler, M. V. (G Ag Ec)	Walhalla
Russell, R. R. (3 ME)	Columbia	Selfridge, H. R. (4 A&S)	Lakeville, Conn.
Russo, M. E. (4 CE)	New York, N. Y.	Sell, J. A. (1 E-ME)*	Bennettsville
Rutledge, W. T. (4 TC)	Greenville	Senn, G. A. (2 TM)	Spartanburg
Ryan, R. C. (1 E-TE)*	West Orange, N. J.	Senn, H. B. (1 TM)*	Inman
Ryan, W. B. (1 Arch)*	Ridgeland	Sessions, J. F. (1 A-Ent)*	Myrtle Beach
Ryan, W. H. (4 EE)	Elizabeth, N. J.	Setzer, J. L. (4 A&S)	Canton, N. C.
Ryan, W. T. (4 TE)	Naval Base	Shain, C. W. (3 TM)	Paterson, N. J.
Rye, C. L. (2 EE)	Columbia	Shands, E. B. (2 Ed)	Pauline
Saline, M. H. (3 Arch)	Raleigh, N. C.	Shannon, E. M. (2 EE)*	Blackstock
Salley, D. B. (2 ME)	Saluda, N. C.	Sharpe, J. D. (4 CE)	Gaston
Salley, G. P. (3 Agron)	Salley	Shaw, R. E. (3 TM)	Greenville
Salley, J. R. (G)†	Clemson	Shaw, W. L. (2 A&S)	Marion
Sams, J. G. (1 Chem)*	Charleston	Shealy, E. E. (3 VAE)	Gilbert
Sanders, C. B. (3 TM)	Anderson	Shealy, E. F. (G Ed)†	Anderson
Sanders, G. S. (4 Ar En)	Bamberg	Shealy, E. L. (2 Ar En)	Columbia
Sanders, J. D. (1 E-CE)	Blacksburg	Shealy, G. M. (1 E-EE)*	Batesburg
Sanders, J. W. (4 Pre-Med)	Anderson	Shealy, H. L. (2 A-Hort)	Batesburg
Sanders, K. R. (4 Arch)	Gaffney	Shealy, J. P. (4 Ind Phys)	Orangeburg
Sanders, K. T. (1 TM)	Anderson	Shealy, P. S. (G)	Batesburg
Sanders, L. H. (4 Agron)	Union	Shealy, R. N. (3 TM)	Columbia
Sanders, L. W. (4 CE)	Spartanburg	Shearin, A. M. (3 EE)	Darlington
Sanders, S. L. (4 EE)	Naval Base	Shedd, G. R. (2 TM)	Winnboro
Sanders, T. C. (2 VAE)	Yonges Island	Shedd, W. B. (1 E-TE)*	Monticello
Sanders, W. D. (3 TM)	Anderson	Sheffler, J. H. (4 ME)	Niles, Ohio
Sanderson, J. L. (2 A-AH)	Dillon	Shehan, D. B. (1 E-TE)	Pickens
Sansbury, R. R. (3 Ag En)	Effingham	Sheider, A. L. (2 TE)	Hendersonville, N. C.
Santos, W. A. (1 Arch)	Charleston	Shelley, E. H. (2 VAE)	Nichols
Sapp, E. F. (4 Ind Phys)	Albany, Ga.	Shelley, F. E. (1 VAE)*	Aynor
Sargent, F. H. (4 TM)	Spartanburg	Shelley, R. (4 VAE)	Pickens
Sarracino, J. J. (1 Ed)	La France	Shelton, G. F. (3 Ed)	Naval Base
Sarratt, J. H. (3 Agron)	Gaffney	Shelton, G. L. (2 EE)	Greenville
Satterfield, R. F. (2 TE)	Lyman	Sheppard, J. A. (1 TM)*	Waynesboro, Ga.
Saunders, A. W. (3 Poul)	Rutherford, N. J.	Sheppard, J. E. (1 Arch)*	Anderson
Saunders, C. E. (2 A&S)	East Gastonia, N. C.	Sherard, J. W. (4 EE)	Calhoun Falls
Saunders, G. M. (2 A)	Dalzell	Sherer, D. G. (2 Arch)	Columbia
Saunders, H. M. (2 TM)	Indiantown, Fla.	Sheriff, B. C. (2 VAE)	Martin, Ga.
Saverrance, J. R. (1 A&S)*	Cheraw	Sherwood, E. C. (3 A&S)	Dillon
Sawyer, R. L. (1 A)*	Johnston	Shields, J. M. (2 Arch)	Nashville, Tenn.
Sawyer, W. B. (3 TM)	Johnston	Shillinglaw, D. H. (1 A-Ag Ec)	Sharon
Scarborough, G. M. (1 A&S)*	Florence	Shirley, D. C. (3 TE)	Orangeburg
Scarborough, W. L. (2 EE)	Florence	Shirley, J. G. (1 E-ME)	Piedmont
Scarlett, H. C. (1 Arch)*	Scarsdale, N. Y.	Shirley, J. H. (3 EE)	Gaffney
Schachner, J. A. (1 E-ME)*	Charlotte, N. C.	Shirley, J. L. (4 A&S)	Sandy Springs
Schaufelberger, A. H. (3 A&S)	East Islip, N. Y.	Shirley, J. R. (1 TM)	Greenville
Schock, A. A. (3 AH)	Westminster	Shirley, J. T. (1 A)*	Seneca
Schofield, E. C. (3 Pre-Med)	Marion	Shirley, T. F. (1 TM)*	Belton
Schouet, H. J. (3 Arch)*	Harvey, La.	Shiver, J. M. (1 A-Agron)	Rembert
Schrader, E. D. (3 TM)	Spartanburg	Shivers, R. P. (1 TM)*	Griffin, Ga.
Schrader, M. W. (4 ME)	Spartanburg	Shockey, J. A. (3 ME)	Falls Church, Va.
Schrader, W. J. (2 TM)	West Union	Sholar, J. O. (1 TM)*	Columbia
Schuetler, R. W. (2 TM)	Elizabethton, Tenn.	Sholar, J. P. (2 Arch)*	Columbia
Schumpert, D. E. (1 E-CE)*	Newberry	Shoolbred, R. A. (2 CE)	Eastover
Schwartz, W. S. (1 E-ME)*	Charleston	Shores, R. L. (2 TM)	Spartanburg
Schwiers, W. (2 A-AH)	Greenville	Shouse, E. T. (1 E-ME)*	Whitmore
		Shuford, W. E. (1 TM)*	Forest City, N. C.
		Shugart, W. H. (2 VAE)	Sumter
		Shuler, J. O. (4 AH)	Holly Hill

Name and Course	Address	Name and Course	Address
Shuler, N. E. (4 Ag En) -----	Rembert	Smith, I. (G VAE)† -----	Pickens
Shuler, W. A. (2 Ag En) -----	Rembert	Smith, James B. (3 ME) -----	Rock Hill
Shuler, W. S. (1 E-Ag En) -----	Sumter	Smith, John B. (2 ME) -----	Florence
Shull, M. D. (1 A-Dairy) -----	Wagener	Smith, J. D. (3 Ag En) -----	West Union
Sibley, A. B. (3 Agron) -----	Greenville	Smith, James E. (1 A&S) -----	Greenville
Sibley, W. B. (2 TM) -----	Aiken	Smith, Jones E. (3 Dairy) -----	Spartanburg
Sibley, W. H. (3 AH) -----	Greenville	Smith, J. G. (4 AH) -----	Orangeburg
Sightler, C. W. (4 TM) -----	Greenville	Smith, J. L. (2 A-AH)* -----	Hawkinsville, Ga.
Sigmon, L. J. (1 TM) -----	Newton, N. C.	Smith, J. O. (1 TM) -----	Donalds
Sikes, B. R. (4 ME) -----	Spartanburg	Smith, J. S. (1 E-TE)* -----	Pauline
Simmons, W. H. (1 Arch) -----	Long Island City, N. Y.	Smith, J. W. (3 Hort) -----	Lancaster
Simmons, W. K. (2 EE) -----	Greenville	Smith, K. (3 EE) -----	Duncan
Simpson, C. B. (1 TC)* -----	Richburg	Smith, K. B. (4 A&S) -----	Savannah, Ga.
Simpson, D. E. (3 ME) -----	South Charleston, W. Va.	Smith, K. E. (1 A&S)* -----	Woodruff
Simpson, D. M. (3 TM) -----	Knoxville, Tenn.	Smith, K. T. (2 ME)* -----	Greenville
Simpson, F. H. (3 TM) -----	Clinton	Smith, K. Y. (3 Arch) -----	Liberty
Simpson, G. J. (1 E-Ch En)* -----	Easley	Smith, R. C. (3 Agron) -----	Bishopville
Simpson, H. A. (2 A&S) -----	Gray Court	Smith, R. D. (4 ME) -----	Belton
Simpson, J. A. (2 A-Dairy) -----	Richburg	Smith, Robert E. (4 ME) -----	Seneca
Simpson, J. I. (4 Ar En) -----	Piedmont	Smith, Royal E. (2 A-Agron) -----	Mullins
Simpson, R. E. (3 VAE) -----	Lancaster	Smith, R. G. (2 TE) -----	Greenville
Simpson, R. M. (3 Ind Ed) -----	Columbia	Smith, R. M. (2 Ar En) -----	Greenville
Simpson, R. R. (2 TM) -----	Westminster	Smith, R. W. (1 E-EE)* -----	Anderson
Simpson, V. B. (4 TM) -----	Clinton	Smith, St. C. B. (3 TM) -----	Swannanoa, N. C.
Sims, B. C. (1 A-AH)* -----	Greenville	Smith, S. H. (2 ME) -----	Allendale
Sims, J. L. (3 Hort) -----	Orangeburg	Smith, S. W. (3 TM) -----	Greenville
Sims, R. M. (3 Hort) -----	Spartanburg	Smith, W. B. (3 VAE) -----	Cades
Sinclair, A. R. (2 EE) -----	Forest Park, Ga.	Smith, W. E. (1 Ar En) -----	Charleston
Sizemore, G. C. (1 Ar En) -----	Greenville	Smith, W. M. (3 AH) -----	Oakland, Calif.
Skelton, C. (4 TM) -----	Anderson	Smith, W. W. (4 AH) -----	Bowman
Skelton, R. R. (3 TM) -----	Atlanta, Ga.	Smoak, J. M. (2 A-AH) -----	Pacolet
Skelton, T. E. (2 Ent) -----	Clemson	Snead, J. D. (2 TM) -----	Seneca
Skelton, W. S. (2 TE)* -----	Augusta, Ga.	Snee, J. J. (2 TE) -----	Staten Island, N. Y.
Skerratt, J. D. (3 TE) -----	Cranford, N. J.	Snipes, D. M. (1 VAE)* -----	Seneca
Skinner, C. F. (3 TM) -----	Woodruff	Snipes, H. B. (1 E-CE)* -----	Anderson
Skornschek, T. E. (2 CE) -----	Tampa, Fla.	Snoddy, S. T. (4 Arch) -----	Rockingham, N. C.
Slaten, H. W. (2 Ind Ed) -----	Williamston	Snow, J. J. (1 A-Agron)* -----	Henry
Slattery, J. G. (2 TE) -----	Greenville	Snyder, P. (2 CE) -----	Spruce Pine, N. C.
Sloan, C. M. (2 Ind Ed) -----	Inman	Sobocinski, R. J. (1 A&S) -----	Pittsburgh, Pa.
Sloan, J. W. (3 TM) -----	Clemson	Sofge, J. F. (3 TM) -----	Graniteville
Sloan, W. A. (4 Arch) -----	Anderson	Sompayrac, E. E. (2 A) -----	Society Hill
Sloan, W. P. (1 A-Hort)* -----	Greer	Soubeyroux, R. S. (2 Ar En) -----	Charleston
Slone, A. R. (G) -----	Spartanburg	Southerlin, R. C. (1 A&S) -----	Marietta
Small, D. E. (3 VAE) -----	Davidson, N. C.	Sowell, J. B. (4 ME) -----	Asheville, N. C.
Small, R. L. (1 TM) -----	Concord, N. C.	Sowell, M. B. (3 VAE) -----	Ellore
Small, W. C. (1 Ed) -----	Burlington, N. C.	Sox, H. W. (2 TM) -----	West Columbia
Smalls, A. J. (1 A)* -----	Georgetown	Spake, R. I. (1 VAE)* -----	Shelby, N. C.
Smarr, A. W. (3 Ind Ed) -----	Hickory Grove	Spender, G. W. (2 A-AH) -----	Maplewood, N. J.
Smith, B. B. (3 A&S) -----	Easley	Sperry, C. B. (4 TM) -----	Spartanburg
Smith, B. C. (2 ME) -----	Greenwood	Spillers, J. C. (1 E-TE)* -----	Clinton
Smith, Benjamin M. (3 TM) -----	Columbia	Springs, C. E. (3 Ag En) -----	Loris
Smith, Broadus M. (1 E-Ag En)* -----	Trenton	Sprott, W. P. (1 E-ME)* -----	Lake City
Smith, C. A. (1 A) -----	Mooresville, N. C.	Sprouse, E. B. (2 TM) -----	Travelers Rest
Smith, Charles B. (4 Arch) -----	Gaffney	Squires, J. T. (2 A-AH) -----	Latta
Smith, Claude B. (1 A-Agron) -----	Florence	Stabler, E. F. (4 EE) -----	North
Smith, C. F. (4 ME) -----	North Charleston	Stall, I. E. (1 E-TE)* -----	Savannah, Ga.
Smith, C. H. (4 AH) -----	Spartanburg	Stalvey, A. D. (4 Pre-Med) -----	Georgetown
Smith, C. W. (3 ME) -----	Clemson	Stalvey, C. B. (2 Ed) -----	Myrtle Beach
Smith, D. D. (1 A)* -----	Columbia	Stamey, J. M. (4 Ag En) -----	Dewey Rose, Ga.
Smith, D. W. (1 VAE) -----	Edgefield	Stanaland, W. A. (2 A-Agron) -----	Ash, N. C.
Smith, E. A. (3 Ind Ed) -----	Spartanburg	Standrod, S. E. (2 ME) -----	Georgetown
Smith, E. G. (1 E-ME)* -----	Waxhaw, N. C.	Stanley, E. L. (Unc)† -----	Clemson
Smith, E. J. (4 TM) -----	Buffalo	Stanley, G. F. (2 VAE) -----	Loris
Smith, E. M. (1 Chem)* -----	Greenville	Stanley, J. B. (1 A-Dairy)* -----	Kingstree
Smith, E. T. (1 Pre-Med) -----	Branchville	Stanley, L. M. (3 TM) -----	Conway
Smith, F. E. (1 E-Ag En)* -----	Sylvania, Ga.	Stanley, T. E. (2 Arch) -----	Hampton
Smith, F. V. H. (3 Arch) -----	Charlotte, N. C.	Stanley, W. J. (1 ME) -----	Lancaster
Smith, G. C. (2 Cr En) -----	Washington, D. C.	Stansell, G. T. (1 E-ME)* -----	Westminster
Smith, H. E. (4 TM) -----	Dover, N. C.	Stanton, H. E. (2 TM) -----	Cheraw
Smith, H. K. (4 ME) -----	Spartanburg	Starkey, W. D. (3 A&S) -----	Clemson
Smith, Harry L. (1 E-EE)* -----	Greenville	Steadman, M. E. (1 A&S)* -----	Walterboro
Smith, Herman L. (4 TM) -----	Conover, N. C.	Steady, W. M. (4 Agron) -----	Bamberg
		Steele, E. L. (1 Chem) -----	Harrisonburg, Va.
		Steele, R. H. (2 A-Ag Ec)* -----	Mars Hill, N. C.

Name and Course	Address	Name and Course	Address
Stegall, H. (2 Ind Ed)	Pendleton	Taylor, G. E. (2 TM)	Newnan, Ga.
Steinmeyer, J. H. (1 A)*	Jacksonville, Fla.	Taylor, G. W. (1 TM)	Pelzer
Stenstrom, E. F. (Unc)†	Clemson	Taylor, J. E. (1 E-CE)*	Johnsonville
Stephens, G. A. (1 A-AH)*	Athens, Ga.	Taylor, K. Z. (1 Ind Ed)	Liberty
Stephens, J. H. (2 TM)	Greenville	Taylor, R. F. (3 VAE)	Gilbert
Stephens, L. M. (2 Pre-For)	Canton, N. C.	Taylor, R. N. (4 TE)	Spartanburg
Stephenson, J. W. (2 A-AH)*	Winnsboro	Taylor, R. P. (4 CE)	Greenville
Stevens, H. E. (2 A-Ag Ec)	Conway	Taylor, W. C. (1 A-AH)*	Greenville
Stevens, J. T. (4 Ind Phys)	Washington, D. C.	Taylor, W. F. (3 TC)	Charleston
Stevenson, E. A. (1 E-Ag En)*	Ulmer	Taylor, W. M. (4 EE)	Anderson
Stevenson, J. A. (4 ME)	Sumter	Tedder, J. B. (3 Ag En)	Cherryville, N. C.
Stevenson, R. J. (1 VAE)*	Seneca	Temple, W. W. (2 TM)	Level Land
Stevenson, R. M. (2 A-AH)	Charlotte, N. C.	Terry, A. M. (4 EE)	Iva
Stewart, C. D. (4 TM)	Clemson	Terry, J. E. (3 VAE)	Iva
Stewart, J. R. (3 TE)	Clemson	Thackston, L. P. (1 Pre-Med)*	Orangeburg
Stewart, J. W. (2 ME)	Fountain Inn	Thayer, W. B. (2 ME)	Spartanburg
Stewart, R. S. (1 VAE)	Fountain Inn	Thelen, H. M. (1 E-EE)*	Greenwood
Stewart, W. F. (2 VAE)	Fountain Inn	Thomas, C. A. (2 A-Ent)	Longs
Still, W. C. (1 A&S)	Philadelphia, Pa.	Thomas, C. H. (4 Ag En)	Holly Hill
Stilley, W. A. (1 Ind Ed)	Conway	Thomas, C. T. (1 E-CE)	Walhalla
Stockman, B. R. (2 TM)	Prosperity	Thomas, E. H. (1 E-ME)	Walterboro
Stoddard, L. C. (2 VAE)	Fountain Inn	Thomas, J. B. (1 E-ME)*	Coronaco
Stokes, A. T. (4 ME)	Greer	Thomas, J. H. (2 TM)	Trion, Ga.
Stokes, R. R. (1 E-ME)*	Greenville	Thomas, J. L. (4 Ar En)	Dillon
Stone, C. B. (4 TM)	Williamston	Thomas, K. G. (1 E-TE)*	Monroe, Ga.
Stone, W. L. (1 VAE)	Pamplico	Thomas, L. W. (1 E-EE)*	Pauline
Storey, P. E. (3 EE)	Greenville	Thomas, W. F. (4 TM)	Calhoun Falls
Stoudemire, H. B. (1 A-Agron)*	Elloree	Thomason, J. M. (4 CE)	Toccoa, Ga.
Stoudenmire, S. W. (3 VAE)	Lonestar	Thomason, P. W. (1 E-TE)*	Cowpens
Stovall, J. H. (3 CE)	Elberton, Ga.	Thompson, A. L. (4 Ind Phys)	Anderson
Stover, F. R. (3 VAE)	Kershaw	Thompson, C. A. (3 TM)	Georgetown
Stover, L. M. (3 VAE)	Kershaw	Thompson, D. T. (G)*	Honea Path
Stribling, C. V. (4 A&S)	Seneca	Thompson, F. D. (1 A-AH)*	Piedmont
Stribling, H. L. (4 EE)	Charleston	Thompson, F. M. (1 E-TE)*	Augusta, Ga.
Stribling, W. R. (4 A&S)	Pelzer	Thompson, G. N. (3 TC)	Langley
Strickland, C. H. (3 Dairy)	Oakboro, N. C.	Thompson, H. H. (2 TM)	North August
Strickland, G. M. (3 Ch En)	Concord, Ga.	Thompson, J. C. (3 TM)	Honea Path
Strom, J. G. (4 TM)	McCormick	Thompson, J. R. (2 A&S)	Washington, D. C.
Strong, H. H. (1 E-EE)*	Sumter	Thompson, J. T. (3 EE)	Charlotte, N. C.
Strother, E. D. (1 A-AH)*	Plum Branch	Thompson, J. V. (2 Ed)	Saxonsburg, Pa.
Stroud, D. D. (4 ME)	Lyman	Thompson, O. N. (3 A&S)	Columbia
Stroud, H. D. (3 TE)	Richland	Thompson, R. (1 Ind Phys)*	Lakeland, Fla.
Strug, J. P. (4 EE)	Union	Thompson, R. B. (1 A&S)	Walterboro
Stuck, K. E. (G)	Pomaria	Thompson, S. G. (1 TM)*	Naval Base
Stuckey, J. F. (3 EE)	Hartsville	Thompson, W. C. (2 TM)	Greenwood
Stukes, O. L. (4 Pre-Med)	Manning	Thompson, W. L. (2 TC)	Honea Path
Sublette, R. A. (4 TM)	Westminster	Thompson, W. W. (1 E-EE)*	Pauline
Suddeth, J. A. (Unc)†	Clemson	Thorne, T. F. (1 Ind Ed)*	Dundalk, Md.
Suggs, F. D. (4 TE)	Anderson	Thorne, W. C. (4 EE)	Sumter
Sullivan, S. B. (4 A&S)	Anderson	Threatt, M. B. (1 TM)	Lancaster
Summer, F. J. (2 Arch)	Newberry	Thruston, M. G. (2 TM)	Greenville
Summers, D. C. (1 E-TE)*	Charlotte, N. C.	Tice, N. R. (2 TM)	Brooklyn, N. Y.
Sundberg, E. E. (2 TM)	Reading, Pa.	Tidwell, R. (1 E-CE)	Greenville
Sutherland, F. G. (1 TM)	Spartanburg	Till, C. E. (4 VAE)	Ruffin
Sutton, B. K. (4 TM)	Greenville	Till, H. G. (3 Ag En)	Orangeburg
Swan, R. S. (1 E-ME)	Greenville	Tiller, J. W. (2 A-Agron)	Mayesville
Sweatman, M. R. (3 TM)	Charleston	Timmerman, D. S. (4 EE)	Augusta, Ga.
Swett, J. A. (2 A-Poul)	Dunbarton	Timmerman, G. R. (3 A&S)	Charleston
Swittenberg, R. L. (2 A&S)	Anderson	Timms, S. M. (4 TE)	Anderson
Swygert, L. S. (4 AH)	Waterloo	Tindal, W. M. (4 TE)	Greenville
Taber, W. R. (3 ME)	Greenville	Tinsley, J. A. (4 Ind Ed)	Easley
Tait, R. K. (1 E-ME)	Brunswick, Ga.	Tinsley, S. W. (2 A-Ag Ec)	Spartanburg
Tankersley, C. E. (3 EE)	Augusta, Ga.	Tisdale, W. M. (4 TM)	Sumter
Tanner, J. P. (2 A-AH)	Hemingway	Tobin, H. M. (4 TC)	North Charleston
Tarleton, H. H. (4 Arch & Ar En)	Union	Todd, E. S. (1 TM)*	Charlotte, N. C.
Tarrant, W. B. (2 ME)	Columbia	Todd, J. N. (4 ME)	Washington, D. C.
Tate, J. M. (3 AH)	Gaffney	Todd, W. R. (1 E-ME)	Greenwood
Taylor, A. P. (3 A&S)	Charleston	Tolbert, J. R. (1 A-Dairy)*	Anderson
Taylor, C. B. (2 TM)	Lancaster	Tollison, L. C. (1 E-ME)*	Union
Taylor, C. C. (4 Ag Ec)	Greenville	Tominack, I. L. (3 Ch En)	
Taylor, C. E. (3 Ar En)	Lexington		Windsor Heights, W. Va.
Taylor, D. E. (2 Ch En)*	Lexington	Tommie, W. J. (2 Pre-Med)	Mountville
Taylor, E. G. (2 EE)	Columbia	Tompkins, P. P. (3 ME)	Summersville
Taylor, E. R. (1 A-Hort)*	Greer	Toney, C. C. (4 TM)	Richland

Name and Course	Address	Name and Course	Address
Toomey, W. G. (1 E-Ag En)		Verdin, R. M. (1 A-AH)*	Simpsonville
Torgeson, S. A. (2 ME)*	Mount Holly, N. C.	Vereen, C. M. (1 TM)	Little River
Townes, J. H. (4 Arch)	Charlotte, N. C.	Vermillion, R. J. (4 VAE)	Ware Shoals
Townsend, F. D. (1 E-EE)*	Pickens	Vernon, R. J. (4 Ind Ed)	Greenville
Townsend, J. C. (2 Ag En)	Columbia	Vick, W. T. (3 Ag En)	Lancaster
Trakas, P. N. (4 Pre-Med)	Orlando, Fla.	Vickery, K. N. (Unc)†	Clemson
Trapp, L. W. (1 E-TE)*	Spartanburg	Vickery, L. L. (1 Pre-Med)	Central
Trask, L. P. (1 A-Dairy)*	Darlington	Villard, R. E. (1 A-Dairy)*	Plainville, Conn.
Tribble, J. C. (1 E-ME)	Burton	Vinson, J. L. (4 TM)	Union
Tribble, R. M. (2 ME)	Greenwood	Vite, R. G. (1 E-ME)*	Towanda, Pa.
Trimmier, L. G. (1 A-AH)*	Greenwood	von Glahn, E. H. (3 Arch)	Charleston
Trippett, J. T. (3 CE)	Bedford, Pa.	Von Harten, C. H. (3 ME)	Beaufort
Tripp, P. D. (2 CE)	Chester	Von Harten, E. C. F. (1 E-ME)*	Beaufort
Trotter, M. (1 TM)	Greenville	Von Kaenel, J. C. (3 ME)	Monroe, Wis.
Trowell, L. M. (4 AH)	Greenville	Wade, D. A. (1 E-ME)	Spartanburg
Trstensky, W. R. (1 Arch)*	Lena	Wade, G. L. (1 Pre-Med)*	Timmons ville
Truelove, J. E. (1 E-TE)*	Carteret, N. J.	Wade, J. D. (2 Ed)	Lenoir City, Tenn.
Truesdale, B. (1 E-TE)*	Monroe, Ga.	Wade, R. W. (4 ME)	Greenville
Tucker, H. (1 Ed)*	Kershaw	Walden, C. M. (4 Ag En)	Landrum
Tucker, W. R. (1 E-EE)*	Williamston	Waldrep, T. A. (1 TM)*	Greenville
Turnage, L. W. (3 ME)	Iva	Waldrop, J. R. (1 E-TE)*	Greenville
Turner, A. N. (4 A&S)	Hartsville	Waldrop, W. A. (1 TC)*	Taylor
Turner, A. R. (1 E-EE)*	Reidsville, N. C.	Waldt, M. G. (1 Pre-For)*	Seneca
Turner, C. R. (1 VAE)*	Greenville	Walker, A. W. (2 A&S)	McDonough, Ga.
Turner, G. (1 E-EE)*	Pelzer	Walker, H. O. (3 Ar En)	Union
Turner, G. C. (2 EE)	Greenville	Walker, H. P. (4 Pre-Med)	Fort Mill
Turner, H. C. (3 EE)	Marion	Walker, J. E. (1 Pre-Med)*	Charleston
Turner, H. E. (3 Arch)	Greenville	Walker, W. H. (2 TM)	Laurens
Turner, J. H. (3 TM)	Greenville	Walker, W. S. (3 VAE)	Blackville
Turner, L. W. (1 A)*	Spartanburg	Wall, H. L. (1 E-ME)*	Wadesboro, N. C.
Turner, M. N. (3 TM)	Pamplico	Wall, M. H. (3 Ag Ec)	Lyman
Turner, T. H. (1 Arch)	Spartanburg	Wallace, T. E. (4 Agron)	Bennettsville
Turner, T. P. (3 Ar En)	Greenville	Wallace, W. W. (1 TM)	Seneca
Turner, W. B. (4 Ind Ed)	Gaffney	Walsh, A. A. (2 EE)	West Englewood, N. J.
Turner, W. W. (4 Ag En)	Blacksburg	Walters, D. M. (2 CE)	Salisbury, N. C.
Turpin, B. A. (1 E-EE)*	Travelers Rest	Walters, H. R. (1 E-ME)	St. George
Tuten, C. R. (3 AH)	Piedmont	Walters, J. F. (1 E-CE)*	Mullins
Tuten, K. L. (1 E-ME)*	Ridgeland	Walters, J. V. (G)†	Clemson
Tuten, R. L. (1 A-AH)*	Varnville	Walton, W. L. (4 ME)	Ellenton
Tyler, H. H. (4 TC)	Ridgeland	Walton, W. T. (1 E-ME)*	Burton
Tyler, H. K. (1 E-ME)	Aiken	Waltz, M. R. (2 CE)	Barnwell
Tyson, S. D. (1 E-EE)*	Hampton, Va.	Wannamaker, R. L. (2 ME)	Columbia
Uldrick, J. P. (3 CE)	Lumberton, N. C.	Ward, B. (1 VAE)*	Seranton
Ulinick, B. (4 TM)	Donalds	Ward, J. A. (1 TM)*	Jackson, Tenn.
Ulmer, C. R. (3 TM)	Paterson, N. J.	Ward, R. D. (1 A)	Charter
Ulmer, F. S. (3 EE)	Greenville	Ward, T. (3 Ch En)	McClellanville
Ulmer, H. E. (4 Chem)	Brunson	Ware, A. L. (2 EE)	Greenville
Ulmer, J. S. (3 Agron)	Hartsville	Ware, C. B. (3 Agron)	Due West
Ulmer, R. B. (1 E-CE)*	North	Ware, G. D. (4 ME)	Iva
Upright, C. M. (2 ME)	Elloree	Ware, M. T. (3 EE)	Iva
Vaigneur, H. O. (1 E-Ag En)	Mooreville, N. C.	Warman, L. L. (1 A-Ag Ec)	Danville, Ind.
Vance, C. E. (1 E-EE)	Ridgeland	Warner, A. E. (1 E-Ag En)*	Greenville
VanderSchans, P. A. (3 Arch)	Greenville	Warner, C. H. (4 Ag En)	Wagner
		Warren, J. F. (2 CE)	Charlotte, N. C.
Van Ham, R. N. (3 TM)	Glen Ridge, N. J.	Warren, T. A. (4 AH)	Prosperity
Van Hook, E. (3 Ch En)	Auburn, Maine	Warrick, A. E. (4 TM)	Old Hickory, Tenn.
Vansant, F. B. (3 VAE)	Atlanta, Ga.	Washington, E. J. (2 TM)	Pelzer
Van Vliet, R. S. (1 TM)*	Leesville	Waters, J. D. (3 TM)	Johnston
Varn, H. L. (1 E-Ch En)*	Short Hills, N. J.	Watkins, C. B. (2 Ch En)	Augusta, Ga.
Varn, H. P. (1 E-Ch En)*	Columbia	Watkins, C. E. (1 E-Ag En)*	Westminster
Varn, H. W. (3 CE)	Columbia	Watkins, F. M. (4 EE)	Greenville
Varn, R. B. (1 E-ME)*	Walterboro	Watkins, G. L. (2 VAE)	Hartsville
Varner, J. F. (3 Ind Ed)	Charleston	Watkins, W. E. (4 CE)	Greenville
Varner, J. R. (3 TM)	Ashland, Ga.	Watkins, W. Y. (1 TM)*	Ware Shoals
Vassy, T. M. (1 TC)*	Buffalo	Watson, A. W. (4 CE)	Easley
Vaughan, O. H. (3 ME)	Gaffney	Watson, C. K. (4 Dairy)	Anderson
Vaughn, W. D. (4 Ar En)	Seneca	Watson, D. H. (1 Arch)	McClellanville
Vause, R. J. (1 E-ME)*	Union	Watson, H. J. (4 EE)	Anderson
Vause, T. J. (1 A-AH)*	Salters Depot	Watson, J. A. (1 E-EE)*	Marion
Veal, C. D. (3 ME)	Timmons ville	Watson, R. B. (1 E-ME)*	Blenheim
Veale, J. C. (1 Ar En)	Cedartown, Ga.	Watson, R. D. (1 TM)*	Mardela, Md.
Veazey, W. H. (2 ME)*	Savannah, Ga.	Watt, E. B. (PG Arch)	Hartsville
	Greenville	Watt, F. L. (2 TM)	Pelzer
Vehorn, B. L. (4 ME)	Boston, Mass.		

Name and Course	Address	Name and Course	Address
Watt, M. F. (1 TM)*	Pelzer	Whitmire, R. J. (3 A&S)	Asheville, N. C.
Watts, A. J. (4 ME)	Mayesville	Whitmire, T. E. (3 Ar En)	Asheville, N. C.
Way, R. E. (4 ME)	Branchville	Whitten, D. L. (2 TM)	Pell City, Ala.
Weatherly, R. M. (1 E-EE)*	Cartersville	Whitten, F. O. (1 Pre-Med)*	Pell City, Ala.
Weaver, G. E. (2 A-Hort)	Darlington	Whitten, W. A. (1 A&S)	Anderson
Webb, E. W. (3 TM)	Marion	Whittle, R. O. (1 VAE)	Ward
Webb, J. E. (2 ME)	Hazel Green, Ala.	Wicker, A. R. (2 ME)	Newberry
Webb, L. W. (1 A-AH)	Ridgeland	Wickham, F. L. (2 TM)	Charlottesville, Va.
Webb, N. J. (1 A-AH)*	Newport News, Va.	Wiggins, K. N. (1 A-Dairy)*	Charleston
Weed, H. F. (4 Hort)	Irmo	Wigington, J. R. (1 A)*	Easley
Weedon, C. H. (2 Chem)	Rutherfordton, N. C.	Wilbanks, J. T. (1 TM)	Clemson
Weekley, L. C. (1 A-AH)*	Varnville	Wiley, H. S. (3 ME)	McCormick
Weeks, J. J. (3 ME)	Charlotte, N. C.	Wilkerson, J. S. (4 Ind Phys)	Hickory Grove
Weeks, P. H. (3 Ag En)	Aiken	Wilkerson, R. E. (3 AH)	Hickory Grove
Weill, S. B. (2 CE)*	Clio	Wilkes, C. V. (1 VAE)*	Norway
Weinberg, P. M. (1 TM)*	Sumter	Wilkie, W. J. (1 E-EE)	Summerton
Weismiller, R. F. (1 TM)*	Washington, D. C.	Wilkins, H. O. (2 ME)*	Germantown, Tenn.
Weisner, L. E. (4 EE)	Laurens	Wilkins, R. I. (4 Arch)	Florence
Welborn, D. T. (3 AH)	Chester	Williams, C. D. (2 TM)	Lancaster
Weldon, R. D. (2 TM)	Charleston	Williams, Carroll F. (2 Ag En)	Landrum
Wells, A. H. (1 Cr En)*	Columbia	Williams, Clarence F. (4 TE)	Orangeburg
Wells, E. R. (1 TM)	Gaffney	Williams, D. B. (3 Ag Ec)	Landrum
Wells, J. D. (3 A&S)	Sumter	Williams, H. R. (1 VAE)	Smoaks
Wells, L. R. (1 E-CE)*	Orangeburg	Williams, J. A. (3 VAE)	Naval Base
Welsh, F. M. (PG ME & TE)	Abbeville	Williams, J. F. (G Chem)†	York
Welsh, W. T. (2 ME)	Anderson	Williams, J. K. (3 TE)	McBee
Welter, J. F. (2 A-Poul)	Greenville	Williams, J. S. (4 TM)	Anderson
Wenck, F. W. (1 Pre-Med)	Fountain Inn	Williams, J. W. (3 CE)	Spartanburg
Wendell, H. P. (2 TM)	Long Beach, N. Y.	Williams, L. E. (2 Ar En)	Hampton, Va.
Wertz, J. D. (1 A&S)	Saluda	Williams, M. S. (2 Ag En)*	Moore
Wessinger, E. (1 E-TE)*	Newberry	Williams, R. N. (3 TM)	Spartanburg
Wessinger, H. O. (2 A-Dairy)	West Columbia	Williams, V. K. (1 VAE)	Swansea
Wessinger, J. E. (4 Dairy)	Leesville	Williams, V. M. (1 TM)*	Woodruff
Wessinger, N. C. (4 A&S)	Springfield	Williams, W. B. (G Ind Ed)†	Clemson
West, C. E. (2 TM)	Spartanburg	Williams, W. C. (3 Ind Ed)	Central
West, H. E. (1 E-EE)*	Cedartown, Ga.	Williams, W. N. (1 A)*	Plainview, Tex.
West, H. S. (4 TM)	Union	Williamson, C. E. (1 TM)*	La France
West, R. K. (3 VAE)	Cameron	Williamson, D. M. (3 ME)	Naval Base
Westbury, J. A. (1 E-Ch En)	Buffalo, N. Y.	Williamson, J. A. (1 Arch)	Naval Base
Westbury, S. A. (1 E-CE)*	Charleston	Williamson, J. C. (1 TM)*	Mt. Croghan
Westbrook, R. A. (4 VAE)	Blacksburg	Williamson, J. G. (3 TE)	Timmons
Westmoreland, R. N. (4 TC)	Winston-Salem, N. C.	Williamson, N. E. (4 AH)	McConnellsville
Westmoreland, R. W. (4 TE)	Greenville	Williamson, W. T. (1 A-Dairy)	Naval Base
Westmoreland, W. A. (4 Poul & VAE)	Clover	Willis, A. E. (3 TM)	Chicopee, Ga.
Whaley, C. G. (2 ME)	Centenary	Willis, R. R. (2 TM)	Gaffney
Wham, R. D. (4 Agron)	Mountville	Willis, S. M. (3 TM)	Greenwood
Whatley, V. (1 E-CE)*	Allendale	Wilson, C. A. (1 A-AH)	Bamberg
Wheatley, L. M. (3 A&S)	Kathwood	Wilson, C. T. (4 A&S)	Allendale
Whetless, H. H. (3 Ag En)	Thomaston, Ga.	Wilson, D. N. (3 CE)	Greenville
Whetstone, W. V. (2 TM)	Denmark	Wilson, E. L. (2 TM)	Springfield
Whitaker, C. A. (1 TC)	Union	Wilson, F. O. (2 A&S)	Lyman
White, A. C. (3 Ent)	Clearwater, Fla.	Wilson, H. W. (2 TM)	Greenville
White, D. N. (1 E-TE)*	Clover	Wilson, J. C. (3 EE)	Greenville
White, F. D. (1 A-AH)*	Inman	Wilson, J. F. (1 A-Dairy)	Newberry
White, J. C. (2 CE)	Inman	Wilson, J. H. (3 TM)	Blacksburg
White, L. G. (3 ME)	Gaffney	Wilson, J. Kenneth (1 VAE)	Cades
White, L. I. (1 E-ME)	Florence	Wilson, J. Kermit (4 A&S)	Wellford
White, M. W. (4 ME)	Charlotte, N. C.	Wilson, L. E. (3 TM)	Spartanburg
White, W. E. (1 A-AH)	Fort Mill	Wilson, M. C. (4 CE)	Darlington
White, W. P. (4 EE)	Greenville	Wilson, R. G. (3 EE)	Greenwood
Whitehead, B. J. (1 TM)*	Chester	Wilson, R. L. (1 Ed)*	Wampee
Whitesides, C. J. (2 TM)	Greenville	Wilson, T. C. (2 ME)	Greenwood
Whitesides, H. D. (1 E-ME)*	Chester	Wilson, T. D. (3 Ag Ec)	Cades
Whitesides, H. S. (3 EE)	Chester	Wilson, W. L. (3 TM)	Williamston
Whitesides, J. C. (1 A-AH)*	Clover	Winburn, W. C. (4 VAE)	Hartsville
Whitfield, L. L. (1 TM)*	Anderson	Windsor, W. D. (4 TM)	Pell City, Ala.
Whitfield, N. C. (2 TM)	Townville	Wingard, H. C. (4 TE)	Lexington
Whitlaw, G. L. (1 E-Ag En)*	North Augusta	Wingard, R. D. (2 A-AH)	Lexington
Whitlaw, J. L. (3 ME)	North Augusta	Winn, J. C. (2 VAE)	McCormick
Whitmire, F. L. (2 A)	Seneca	Wise, K. C. (3 TM)	Prosperity
Whitmire, J. B. (4 VAE)	Griffin, Ga.	Wise, L. M. (4 TM)	Greenville
		Wise, P. N. (1 E-ME)*	Vaughn

Name and Course	Address	Name and Course	Address
Wisniewski, E. A. (1 A-Dairy)*		Worley, J. L. (1 E-Ag En)*	Windsoor
Withers, G. W. (1 E-TE)*	Glenshaw, Pa.	Worth, H. P. (3 TE)	Greenville
Withers, R. F. (1 Ar En)*	Spencer, N. C.	Worth, W. T. (2 TE)	Greenville
Witherspoon, J. M. (1 A)*	Charleston	Worthy, H. R. (4 ME)	Lockhart
Witherspoon, D. M. (1 VAE)*	Lamar	Wright, B. C. (2 A&S)	Belton
Witt, D. H. (3 TE)	Gable	Wright, F. D. (4 CE)	Biltmore, N. C.
Witt, L. H. (2 ME)	Swansea	Wright, F. L. (1 E-EE)	Chester
Wofford, B. E. (1 TM)	Swansea	Wright, H. G. (4 EE)	Shelton
Wofford, W. H. (1 TM)*	Schoolfield, Va.	Wright, J. A. (1 E-EE)*	Belton
Wolfe, E. C. (3 AH)	Enoree	Wright, M. B. (2 A-Agron)*	
Wolfe, G. A. (3 VAE)	Inman		Fair Bluff, N. C.
Wolfe, H. Z. (1 E-Ch En)*	Inman	Wright, R. M. (1 E-CE)*	Rock Hill
Wolfe, J. D. (1 E-EE)	Williston	Wright, T. S. (1 E-CE)	Sumter
Wolfe, R. M. (3 EE)	Rock Hill	Wrightenberry, E. G. (1 Ed)	
Womack, J. P. (1 Chem)*	Rock Hill		Burlington, N. C.
Wood, A. L. (4 TE)	Cheraw	Wylie, J. T. (1 TM)*	Blacksburg
Wood, F. K. (1 TM)*	Newberry	Wylie, R. E. (1 TM)*	Charlotte, N. C.
Wood, James C. (1 TM)*	Washington, D. C.	Wylie, W. C. (2 TC)	Rock Hill
Wood, John C. (1 E-ME)*	Drayton	Wylie, W. L. (3 TE)	Winnsboro
Wood, J. R. (2 TM)	Pendleton	Wylie, W. O. (3 TM)	Chester
Wood, L. A. (4 TM)	York	Wyndham, E. G. (4 AH)	Moncks Corner
Wood, R. J. (1 Ar En)	Ware Shoals	Wyndham, S. F. (3 AH)	Moncks Corner
Wood, W. A. (G)†	Marion	Wyse, J. A. (3 TM)	Spartanburg
Wood, W. K. (1 Pre-Med)*	Clemson	Yarborough, F. K. (4 ME)	Mooreboro, N. C.
Woodcock, F. E. (4 Ag Ec)	Florence	Yarborough, D. R. (4 TM)	York
Woodfin, J. W. (3 Ag En)	Pelzer	Yarborough, J. R. (2 Arch)	Salisbury, N. C.
Woodham, B. G. (4 Arch)	Inman	Yecko, G. F. (3 Arch)	McDonald, Pa.
Woodham, H. B. (2 A&S)	McColl	Yelton, T. L. (1 TC)*	Rutherfordton, N. C.
Woodie, H. A. (3 Ch En)	Bishopville	Yobs, R. L. (4 TM)	Columbia
Woods, S. G. (2 A-AH)	Clemson	York, C. O. (2 Ar En)*	Charlotte, N. C.
Woodie, W. H. (1 A)*	Dillon	York, E. G. (1 E-EE)*	La France
Woods, S. G. (2 A-AH)	Greenville	Young, E. R. (4 TM)	Honea Path
Woodward, A. Q. (3 A&S)	Aiken	Young, S. P. (4 Ag En)	Dalzell
Woodward, N. E. (2 Ag En)	Aiken	Young, S. R. (1 TM)	Sumter
Woolen, C. L. (3 ME)	Atlanta, Ga.	Youngblood, J. W. (1 A&S)*	Columbia
Wooten, L. E. (3 Ch En)	Greenville	Zakim, G. (2 A&S)	Paterson, N. J.
Workman, O. G. (1 E-CE)*	Rock Hill	Zatcoff, A. (1 TM)	Philadelphia, Pa.
Workman, R. R. (4 Arch)	Charlotte, N. C.		

SUPPLEMENTARY LIST OF STUDENTSSECOND SEMESTER, 1949-1950

Name and Course	Address	Name and Course	Address
Abney, J. R. (2 Arch)*	Phoenix, Ariz.	Hammond, J. W. (G ME)	Williamston
Alewine, L. D. (1 A&S)*	Brevard, N. C.	Hancock, D. W. (1 Pre-Vet)*	Donalds
Allison, R. F. (2 TM)	Swannanoa, N. C.	Haynes, H. G. (1 Arch)*	Charleston
Avin, R. E. (1 VAE)*	Manning	Hendricks, R. (2 Cr En)†	Central
Baker, E. M. (1 Pre-Med)*	Columbia	Hendrix, J. H. (2 CE)*	Shelby, N. C.
Ballentine, T. F. (1 E-ME)*	Blythewood	Hester, T. E. (1 A&S)	Beaufort
Bates, J. S. (1 VAE)*	Moneks Corner	Humphries, J. C. (1 TM)*	Piedmont
Becker, C. L. (Unc)	Clemson	Hutson, G. L. (1 A&S)	Orangeburg
Bellamy, O. H. (Unc)	Florence	Jack, G. B. (2 ME)	South Salem, N. Y.
Bennett, C. C. (Unc)†	Clemson	Joyce, H. S. (3 Agron)	Stoneville, N. C.
Berry, R. West (1 A&S)*	Petersburg, Va.	Justice, W. G. (2 CE)	Spartanburg
Bickers, J. R. (G Ag Ec)*†	Easley	Kirkwood, C. E. (Unc)†	Clemson
Blackwell, H. E. (2 TM)	Gaffney	Kiser, J. R. (1 TM)*	Cherokee Falls
Bolt, R. S. (1 E-CE)	Gray Court	Kytle, H. W. (1 TM)*	La France
Breazeale, H. A. (1 A-AH)*	Pendleton	LaTorre, E. B. (1 Ar En)	Charleston
Breit, E. D. (1 TM)*	Brooklyn, N. Y.	Lawrence, J. R. (1 Ar En)*	Greenville
Brooks, R. M. (1 TM)*	Pendleton	Leach, J. D. (1 Ar En)*	Blacksburg
Bryan, D. F. (Unc)*†	Clemson	Lindell, L. (2 EE)*	Brooklyn, N. Y.
Burley, M. M. (3 Ind Ed)	Spartanburg	Lindaay, J. N. (3 EE)	Anderson
Byars, E. F. (Unc)†	Clemson	McElroy, E. (2 EE)	Seneca
Cannon, R. B. (1 Arch)*	Winston-Salem, N. C.	McElveen, J. D. (2 A-AH)	Lake City
Carter, C. L. (1 A&S)*	Westminster	McKinnon, C. L. (2 CE)	Cheraw
Cheek, F. L. (2 A-Poul)	Honea Path	McLees, J. H. (1 Pre-For)	Sumter
Clayton, L. E. (G)*	Clemson	McLees, N. C. (Unc)*†	Walhalla
Collier, E. P. (1 VAE)	Harleyville	McMillan, S. (1 E-ME)*	Mullins
Connell, J. C. (1 E-ME)*	West Columbia	McMillan, T. W. (2 TM)	Central
Conyers, J. W. (1 TM)	Kershaw	MacDonald, P. F. (3 EE)	Charleston
Couch, J. H. (Unc)†	Clemson	Madlinger, G. J. (1 Arch)*	Memphis, Tenn.
Cox, G. H. (3 Ind Ed)	Easley	Marlowe, W. H. (3 Agron)	McClellanville
Crawford, J. H. (Unc)†	Clemson	Martin, T. H. (2 EE)*	Greenville
Curley, J. P. (2 TM)	Augusta, Ga.	Mason, T. R. (1 A-Hort)	Westminster
Dabney, F. D. (2 TM)	Rock Hill	Massey, A. D. (Unc)*†	Liberty
Darby, G. M. (2 Ind Ed)	Mt. Pleasant	Mathis, E. H. (1 A-Ag Ec)	Columbia
Davenport, C. F. (1 E-ME)	Greenville	Mays, W. M. (1 Ind Ed)	Walhalla
Davenport, R. (1 TM)*	Piedmont	Merians, S. (2 TM)	Oxford, N. C.
Deason, J. T. (3 TM)	McCormick	Miller, B. C. (1 E-TE)*	Asheville, N. J.
Demosthenes, H. J. (2 Arch)	Beaufort	Milne, W. (PG Arch)*	East Lansing, Mich.
Driggers, A. N. (1 VAE)	Walterboro	Moore, J. L. (1 A-AH)*	Calhoun, Ga.
Duncan, W. G. (1 Ar En)	Greenwood	Moore, M. S. (2 A-Hort)	Charleston
Eaker, R. E. (1 A-Poul)*	Cherryville, N. C.	Muckenfuss, A. A. (2 CE)	Florence
Eason, H. L. (3 AH)	Sumter	Mulliken, W. E. (Unc)†	Anderson
Easterby, H. A. (1 E-EE)	Columbia	Nettles, T. C. (1 E-CE)*	Leo
Edwards, A. W. (1 A-Agron)*	Greenville	Newton, C. G. (PG AH)	Myrtle Beach
Ellis, L. D. (1 Pre-Med)*	Aiken	Newton, P. B. (3 A&S)	Dillon
Ellison, W. S. (1 E-EE)*	Seneca	Nix, R. E. (Unc)†	Clemson
Feldman, S. I. (1 Pre-Med)*	Charleston	O'Neal, R. M. (1 TM)*	Anderson
Fiekling, A. H. (1 A-AH)	Ridgeland	Owens, D. (1 TM)	Greenville
Flanagan, J. G. (1 VAE)*	Clover	Picardat, G. P. (1 E-Ag En)*	Petersburg, Va.
Ford, H. J. (2 ME)*	Philadelphia, Pa.	Pitts, P. Z. (2 CE)*	Savannah, Ga.
Gann, W. T. (2 Arch)*	Phoenix, Ariz.	Plesur, J. (1 A-AH)*	Buffalo, N. Y.
Garrard, J. E. (2 ME)	Chattanooga, Tenn.	Podgorny, L. J. (1 E-TE)*	Greenville
Garren, J. W. (2 Arch)	Spartanburg	Poe, J. W. (1 Ar En)*	Charleston
Garrett, J. S. (1 A&S)*	Six Mile	Poe, O. S. (2 Ar En)	Rock Hill
Gerritsen, B. H. (Unc)†	Clemson	Prince, W. R. (2 A-AH)	Iva
Godwin, C. L. (1 VAE)	Summerton	Reaves, H. L. (G Phys)*†	Clemson
Goforth, C. C. (3 VAE)	Gaffney	Reid, T. P. (1 A&S)*	Walhalla
Graham, J. S. (Unc)†	Clemson	Richardson, J. B. (Unc)†	Clemson
Gregg, J. H. (1 E-EE)	Effingham	Robinson, D. H. (Unc)†	Clemson
Gregg, J. M. (2 A&S)	Hemingway	Rogers, Russell L. (1 A)	Durham, N. C.
Gregory, F. M. (1 E-CE)*	Spartanburg	Ross, G. O. (1 A)*	Fallston, N. C.
Griffin, J. A. (1 TC)	Fort Mill	Rostron, J. P. (G CE)†	Clemson
Groves, W. F. (1 Arch)*	Naval Base	Royal, J. H. (1 E-Ag En)	Clemson
Gulbert, L. C. (1 A-Hort)*	Ridgefield, N. J.	Sanders, John D. (1 TM)	Chester
Gunn, P. J. (2 TM)*	Norfolk, Va.	Sanders, R. M. (1 E-Ag En)	Frogmore
Hallmark, G. D. (Unc)*†	Clemson	Seithel, M. B. (2 ME)	Charleston
Hamilton, J. H. (3 Ag En)	Fort Mill	Shapiro, M. H. (1 A-Dairy)*	
Hamiter, W. L. (1 TC)*	Columbia		Franklin Square, N. Y.
Hammond, A. F. (Unc)†	Clemson	Shelley, R. C. (Unc)†	Clemson

Name and Course	Address	Name and Course	Address
Sherard, S. (1 E-ME) -----	Toccoa, Ga.	Weatherford, C. L. (1 E-ME)*	
Shillinglaw, J. R. (G)† -----	Sharon	Weekley, R. J. (1 A-Dairy)* -----	Kingsport, Tenn.
Shouse, N. A. (1 Arch) -----	Whitmire	Weghorn, C. A. (2 CE)* -----	Ulmers
Taylor, C. E. (1 E-TE)* -----	Kershaw	Werner, W. J. (1 Ar En) -----	Ridgewood, N. Y.
Taylor, R. O. (1 E-TE)* -----	Kershaw	Weston, T. I. (3 ME) -----	Ware Shoals
Timmerman, W. B. (1 E-ME)* -----	Clearwater	Wheelon, J. W. (1 E-ME)* -----	Columbia
Tinsley, W. J. (1 A)* -----	Pendleton	White, R. H. (2 ME) -----	Edneyville, N. C.
Townsend, H. D. (1 TM)* -----	Laurens	Whitmire, J. D. (1 TM) -----	Charlotte, N. C.
Tumbleston, W. E. (1 A-AH)* --	Summerville		Johnson City, Tenn.
Tuten, C. M. (1 E-ME) -----	Varnville	Wickham, F. M. (1 TM)* -----	Westminster
Tuten, J. M. (2 Ind Phys) -----	Greenville	Wiggins, R. L. (1 E-CE)* -----	Mullins
Vaughan, J. G. (1 TM)* -----	Greenville	Wilson, V. W. (1 A-Poul) -----	Columbia
Vaught, H. R. (1 Pre-For)* -----	Nixonville	Woodard, S. L. (1 E-CE)* -----	Summit, N. J.
Warner, R. E. (4 AH) -----	Ninety Six	Youngblood, G. T. (1 Chem)* --	Savannah, Ga.

#Students enrolled for the second semester who were not enrolled for the first semester. In this list, students are classified according to their credits at the beginning of the second semester; new students admitted at the beginning of the second semester are indicated by an asterisk (*) ; part-time students by a dagger (†).

NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM

1949-1950

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Architectural Engineering	Architecture	Ceramic Engineering	Chemical Engineering	Civil Engineering
Senior -----	93	37	0	48	14	15	5	20	37	0	0	41
Junior -----	123	27	1	50	3	20	5	26	41	2	14	35
Sophomore -----	133	23	3	29	2	11	5	15	25	4	7	44
Freshman -----	213	60	19	65	4	51	13	31	49	5	22	86
Postgraduate -----												
Graduate -----												
Unclassified -----												
Total -----	567	147	23	192	23	97	32	92	152	11	52	206

Classification	Electrical Engineering	Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Education	Industrial Education	Vocational Agricultural Education	Postgraduate	Graduate	Unclassified	Enrollment by Classes
Senior -----	49	69	12	39	150	7	19	32				696
Junior -----	53	59	10	30	157	5	22	52				738
Sophomore -----	60	96	10	25	154	13	20	41				726
Freshman -----	113	128	20	74	177	30	12	67				1239
Postgraduate -----									20			20
Graduate -----										62		62
Unclassified -----											41	41
Total -----	275	352	52	168	638	55	73	192	20	62	41	3522

ENROLLMENT BY COUNTIES AND STATES

1949-1950

<i>County</i>	<i>Total</i>	<i>State or Country</i>	<i>Total</i>
Abbeville -----	32	Alabama -----	12
Aiken -----	69	Arizona -----	2
Allendale -----	14	California -----	2
Anderson -----	229	Connecticut -----	6
Bamberg -----	23	Costa Rica -----	1
Barnwell -----	14	Cuba -----	2
Beaufort -----	24	District of Columbia -----	19
Berkeley -----	9	Florida -----	44
Calhoun -----	12	Georgia -----	170
Charleston -----	148	Illinois -----	4
Cherokee -----	46	Indiana -----	2
Chester -----	61	Kentucky -----	4
Chesterfield -----	32	Louisiana -----	4
Clarendon -----	24	Maine -----	3
Colleton -----	23	Maryland -----	9
Darlington -----	55	Massachusetts -----	11
Dillon -----	21	Michigan -----	3
Dorchester -----	20	Minnesota -----	1
Edgefield -----	24	Mississippi -----	2
Fairfield -----	30	Missouri -----	1
Florence -----	99	New Jersey -----	45
Georgetown -----	26	New York -----	53
Greenville -----	321	North Carolina -----	227
Greenwood -----	78	Ohio -----	3
Hampton -----	27	Pakistan -----	1
Horry -----	40	Pennsylvania -----	38
Jasper -----	19	Rhode Island -----	2
Kershaw -----	19	South Carolina -----	2774
Lancaster -----	32	South Dakota -----	1
Laurens -----	62	Tennessee -----	38
Lee -----	16	Territory of Hawaii -----	1
Lexington -----	42	Texas -----	1
Marion -----	48	Virginia -----	29
Marlboro -----	32	West Virginia -----	6
McCormick -----	16	Wisconsin -----	1
Newberry -----	42		
Oconee -----	161	Grand Total -----	3522
Orangeburg -----	70		
Pickens -----	139		
Richland -----	96		
Saluda -----	17		
Spartanburg -----	231		
Sumter -----	57		
Union -----	43		
Williamsburg -----	29		
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THE
CLEMSON
AGRICULTURAL
COLLEGE

RECORD
FIFTY-EIGHTH YEAR

CATALOG NUMBER
1950-1951

Preliminary Announcements 1951-1952

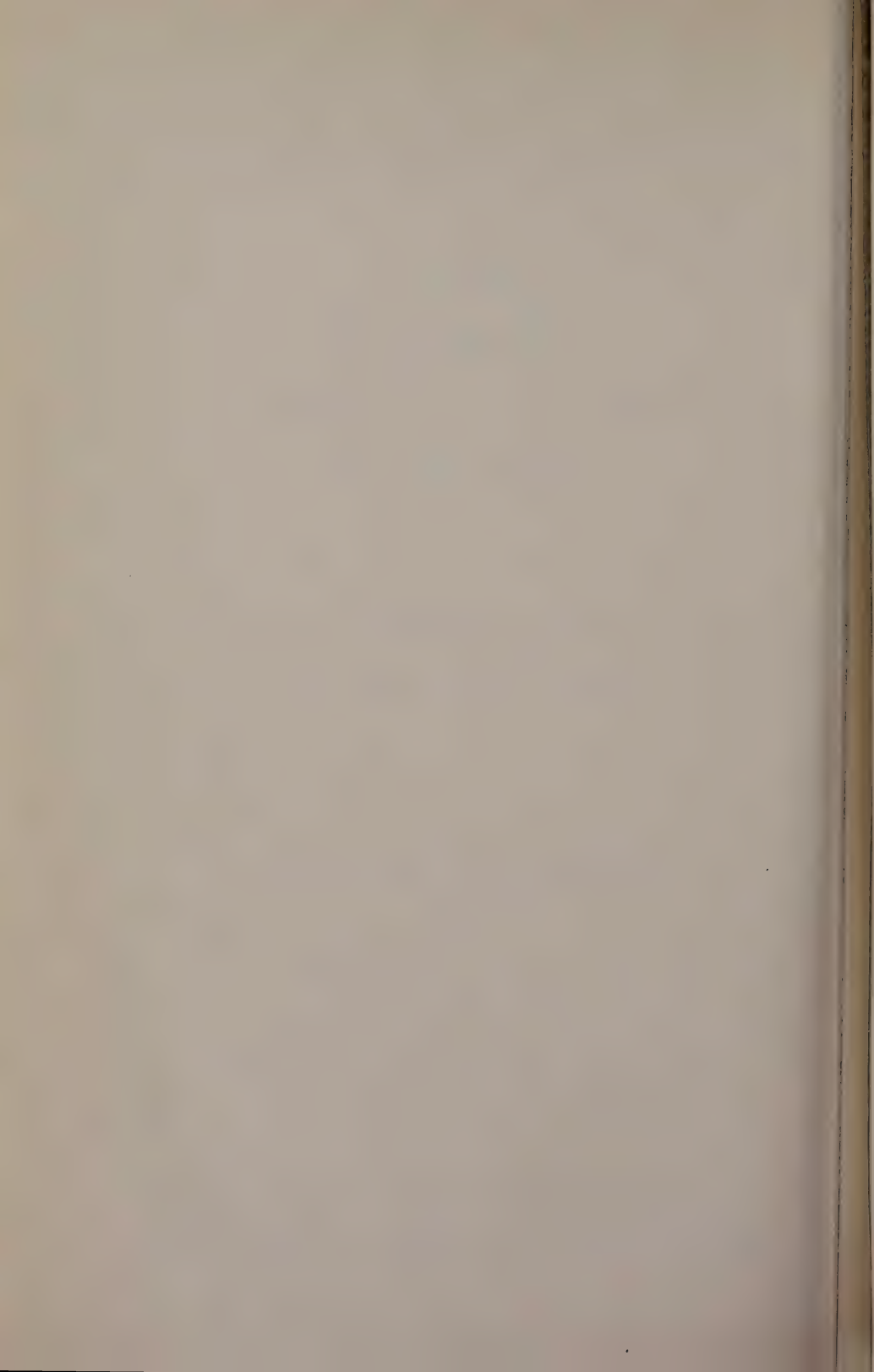


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COLLEGE CALENDAR

SUMMER TERM 1950

Matriculation and Registration	June 12
Classes begin	June 13
Independence Day holidays	July 3, 4
Examinations	August 9-11
Graduating Exercises at 11 a.m.	August 12

SESSION 1950-1951

Matriculation, new students	September 4
Registration, new students	September 6
Matriculation and Registration, former students	September 7, 8
Classes begin	September 11
State Fair holidays begin at 1 p.m.	October 18
State Fair holidays end at 10 p.m.	October 22
Thanksgiving holidays begin at 1 p.m.	November 22
Thanksgiving holidays end at 10 p.m.	November 26
Christmas holidays begin at 1 p.m.	December 20
Christmas holidays end at 10 p.m.	January 2
End of First Semester	January 27
Mid-Year Graduating Exercises	January 28
Matriculation, new students	January 29
Registration, new students	January 31
Matriculation and Registration, former students	February 1, 2
Classes begin	February 5
Easter holidays begin at 1 p.m.	March 22
Easter holidays end at 10 p.m.	March 26
Commencement	June 3

SUMMER TERM 1951

Matriculation and Registration	June 12
Classes begin	June 13
Independence Day Holiday	July 4
Examinations	August 8-10

SESSION 1951-1952

Matriculation, new students	September 3
Registration, new students	September 6
Matriculation and Registration, former students	September 6, 7
Classes begin	September 10
State Fair holidays begin at 12 noon	October 24
State Fair holidays end at 10 p.m.	October 28
Thanksgiving holidays begin at 1 p.m.	November 21
Thanksgiving holidays end at 10 p.m.	November 25
Christmas holidays begin at 12 noon	December 20
Christmas holidays end at 10 p.m.	January 2
End of First Semester	January 26
Matriculation, new students	January 29
Registration, new students	January 31
Matriculation and Registration, former students	January 31, February 1
Classes begin	February 4
Easter holidays begin at 12 noon	April 10
Easter holidays end at 10 p.m.	April 14
Commencement	June 1

The above schedule is subject to change by the Faculty.

1951

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	8	9	10	11	12	13	14
14	15	16	17	18	19	20	15	16	17	18	19	20	21
21	22	23	24	25	26	27	22	23	24	25	26	27	28
28	29	30	31				29	30	31				
FEBRUARY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	5	6	7	8	9	10	11
	4	5	6	7	8	9	12	13	14	15	16	17	18
	11	12	13	14	15	16	19	20	21	22	23	24	25
	18	19	20	21	22	23	26	27	28	29	30	31	
	25	26	27	28									
MARCH							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	2	3	4	5	6	7	8
	4	5	6	7	8	9	9	10	11	12	13	14	15
	11	12	13	14	15	16	16	17	18	19	20	21	22
	18	19	20	21	22	23	23	24	25	26	27	28	29
	25	26	27	28	29	30	30						
APRIL							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6							
	8	9	10	11	12	13	7	8	9	10	11	12	13
	15	16	17	18	19	20	14	15	16	17	18	19	20
	22	23	24	25	26	27	21	22	23	24	25	26	27
	29	30					28	29	30	31			
MAY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	4	5	6	7	8	9	10
						2	11	12	13	14	15	16	17
						3	18	19	20	21	22	23	24
						4	25	26	27	28	29	30	
						5							
JUNE							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	2	3	4	5	6	7	8
						2	9	10	11	12	13	14	15
						3	16	17	18	19	20	21	22
						4	23	24	25	26	27	28	29
						5	30	31					

1952

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	6	7	8	9	10	11	12
						2	13	14	15	16	17	18	19
						3	20	21	22	23	24	25	26
						4	27	28	29	30	31		
FEBRUARY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	3	4	5	6	7	8	9
						2	10	11	12	13	14	15	16
						3	17	18	19	20	21	22	23
						4	24	25	26	27	28	29	30
						5	31						
MARCH							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							
						2	7	8	9	10	11	12	13
						3	14	15	16	17	18	19	20
						4	21	22	23	24	25	26	27
						5	28	29	30				
APRIL							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							
						2	7	8	9	10	11	12	13
						3	14	15	16	17	18	19	20
						4	21	22	23	24	25	26	27
						5	28	29	30	31			
MAY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	2	3	4	5	6	7	8
						2	9	10	11	12	13	14	15
						3	16	17	18	19	20	21	22
						4	23	24	25	26	27	28	29
						5	30						
JUNE							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	7	8	9	10	11	12	13
						2	14	15	16	17	18	19	20
						3	21	22	23	24	25	26	27
						4	28	29	30	31			
						5							

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART I

Personnel

PART I—PERSONNEL

BOARD OF TRUSTEES

LIFE MEMBERS

CHRISTIE BENET, <i>Chairman</i>	-----	Columbia, Richland County
PAUL SANDERS	-----	Ritter, Colleton County
T. B. YOUNG	-----	Florence, Florence County
R. M. COOPER	-----	Wisacky, Lee County
J. F. BYRNES	-----	Spartanburg, Spartanburg County
EDGAR A. BROWN	-----	Barnwell, Barnwell County
CHARLES E. DANIEL	-----	Greenville, Greenville County

TERM EXPIRES 1952

F. E. COPE	-----	Cope, Orangeburg County
T. W. THORNHILL	-----	Charleston, Charleston County
J. B. DOUTHIT, JR.	-----	Pendleton, Anderson County

TERM EXPIRES 1954

BEN T. LEPPARD	-----	Greenville, Greenville County
J. F. MCLAURIN	-----	Bennettsville, Marlboro County
W. A. BARNETTE	-----	Greenwood, Greenwood County

A. J. BROWN, <i>Secretary</i>	-----	Clemson, S. C.
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STANDING COMMITTEES OF BOARD

AGRICULTURAL: Douthit, *Chairman*; Young, Cooper, Sanders, Cope, Barnette, McLaurin.

(This committee is also the Veterinary Committee, the Crop Pest Commission, and the Experiment Station Board of Control.)

EXECUTIVE: Cooper, *Chairman*; Young, Byrnes, Daniel, Thornhill, Leppard.

FERTILIZER: Cope, *Chairman*; Barnette, Sanders, Douthit, McLaurin.

FINANCE: Brown, *Chairman*; Cooper, Douthit, Thornhill, McLaurin.

STATED MEETINGS OF BOARD

3:00 P.M.—Third Friday in March

3:00 P.M.—Third Friday in June

3:00 P.M.—Fourth Monday in October

BOARD OF VISITORS

1950

Sam L. Latimer, Jr.	-----	Columbia
	(Hold-over Member)	
Marvin E. Abrams	-----	Whitmire
Thomas Ancrum	-----	Camden
C. Bruce Barksdale	-----	Greenwood
Henry W. Fair	-----	Columbia
Henry C. Moore	-----	Gaffney
D. V. Richardson	-----	Georgetown
James A. Rogers	-----	Florence
L. P. Thomas	-----	Dacusville
L. J. Williams	-----	Yemessee

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J. B. Caughman, '26 ----- Columbia, S. C.

First Vice-President

J. M. Black, '20 ----- Anderson, S. C.

Second Vice-President

B. L. Murr, '25 ----- Atlanta, Ga.

Secretary-Treasurer

J. H. Woodward, Ex. '03 ----- Clemson, S. C.

Assistant Treasurer

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District 2—	W. P. White, '10	-----	Greenville, S. C.
District 3—	W. K. Magill, '15	-----	Chester, S. C.
District 4—	A. H. Ward, '14	-----	Aiken, S. C.
District 5—	N. E. Byrd, '10	-----	Branchville, S. C.
District 6—	W. H. McLeod, '30	-----	Seabrook, S. C.
District 7—	W. L. Schacte, '34	-----	Charleston, S. C.
District 8—	K. B. Hodges, Ex. '19	-----	Bennettsville, S. C.
District 9—	B. L. Murr, '25	-----	Atlanta, Ga.
District 10—	R. L. Lee, '25	-----	Washington, D. C.
District 11—	B. W. Freeland, '25	-----	Crowley, La.
District 12—	C. S. Anderson, '16	-----	Los Angeles, Cal.

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R. H. Fike, '08	-----	Moultrie, Ga.
C. L. Reid, '02	-----	Fredericksburg, Va.

OFFICERS OF ADMINISTRATION

ROBERT FRANKLIN POOLE, PH.D., D.Sc., LL.D., Litt.D.
President

FORREST EUGENE COOKSON, COLONEL, INFANTRY
U. S. ARMY
Commandant and Professor of Military Science and Tactics

ANDREW JOSEPH BROWN, B.S.
Treasurer and Secretary of Board of Trustees

JAMES CORCORAN LITTLEJOHN, B.S.
Business Manager

LEE W. MILFORD, M.D.
Surgeon

GUSTAVE ERNEST METZ, B.S., M.A.
Registrar

HERBERT PRESS COOPER, PH.D.
*Dean, School of Agriculture and
Director, Agricultural Experiment Station*

RUPERT ALONZO MCGINTY, B.S., A.M.
Vice-Director Emeritus, Agricultural Experiment Station

FRANCIS MARION KINARD, A.B., A.M., Litt.D.
Dean, School of Arts and Sciences

DAVID WISTAR DANIEL, A.M., Litt.D.
Dean Emeritus, School of Arts and Sciences

HOWARD LOUIS HUNTER, PH.D.
Dean, School of Chemistry

FRED HARVEY HALL CALHOUN, PH.D.
Dean Emeritus, School of Chemistry

WILLIAM HAROLD WASHINGTON, B.S., M.S.
Dean, School of Education

SAMUEL BROADUS EARLE, A.M., M.E., LL.D.
*Dean Emeritus, School of Engineering
Director Emeritus, Engineering Experiment Station*

JAMES HAGOOD SAMS, JR., PH.D.
Acting Dean, School of Engineering

HOWARD EMMITT GLENN, B.S. in C.E.
Vice-Director, Engineering Experiment Station

HUGH MONROE BROWN, PH.D.
Dean, School of Textiles

BRUCE DAYVAULT CLOANINGER, B.S., M.S.
Secretary, Board of Fertilizer Control

**ROY AIKEN MAYS, B.Sc., D.V.M.
Director of Livestock Sanitary Work, State Veterinarian

DAVID WAYNE WATKINS, B.S., M.A.
Director of Extension Service

CORNELIA AYER GRAHAM, B.S.
Librarian

**Office: John C. Calhoun State Office Building, Columbia, S. C.

FACULTY†

ROBERT FRANKLIN POOLE

President

Ph.D., Rutgers University; D.Sc., Clemson Agricultural College; LL.D., University of South Carolina; Litt.D., Furman University.

- ADAMS, LEONARD CALDWELL, *Assistant Professor of Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1943; M.S., Oklahoma A & M College, 1950.
- ALLEN, ROY LEON, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.S., Clemson Agricultural College, 1947; Graduate: Primary, Basic, and Advanced Flying School; Academic Instructor's School, 1950.
- ALLEN, WILLIAM OSBORNE, *Instructor in Knitting.*
B.S., North Carolina State College, 1949.
- ARMSTRONG, GEORGE MILLER, *Head of Botany and Bacteriology Department; Professor of Botany and Bacteriology.*
B.S., Clemson Agricultural College, 1914; M.A., University of Wisconsin, 1917; Ph.D., Washington University, 1921.
- ARMSTRONG, PERCY LAMAR, *Assistant Professor of Mathematics.*
A.B., 1919, M.A., 1920, Southwestern University.
- AULL, GEORGE HUBERT, *Head of Agricultural Economics and Rural Sociology Department; Professor of Agricultural Economics.*
B.S., Clemson Agricultural College, 1919; M.S., University of Virginia, 1928; Ph.D., University of Wisconsin, 1937.
- BALL, WALTER LEE, *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1949.
- BANISTER, ROBERT ALLEN, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1939; M.S., Bradley University, 1949.
- BARRET, MAURICE, *Associate Professor of Architecture.*
B.A., Lycee Victor-Hugo, 1923; M.A., University of Paris, 1936; Ph.D., University of Paris, 1947.
- BAUKNIGHT, LEHMAN M., JR., *Assistant Professor of Agricultural Economics.*
B.S., 1935, M.S., 1949, Clemson Agricultural College.
- BEAVEN, WILLIAM MORRIS, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.A., St. Mary's University, 1941; Graduate: Primary, Basic, Advanced Flying Schools, 1941-1942; Instrument Flying School, 1949.
- BELL, MARSHALL CORNETT, *Associate Professor of Mathematics.*
A.B., 1933, M.A., 1936, University of North Carolina.
- BELLAMY, OSCAR HEYWARD, JR., *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1949.
- BENNETT, JOHN Z., *Instructor in English.*
A.B., 1947, M.A., 1948, Vanderbilt University; Graduate work, University of Texas, 1949-1950.
- BERNE-ALLEN, ALLAN, *Head of Chemical Engineering Department; Professor of Chemical Engineering.*
B.S.E., University of Michigan, 1924; Ch.E., Columbia University, 1933; Ph.D., Columbia University, 1936.
- BICKELHAUPT, ROY EDWARD, *Instructor in Ceramic Engineering.*
B.S. in Cer. E., University of Illinois, 1950.
- BIGGS, GILBERT WARREN, *Assistant Professor of Economics.*
B.S., 1946, M.S., 1947, Virginia Polytechnic Institute; Graduate Work, University of Virginia, 1947-1948.

†Faculty list compiled February 15, 1951.

- BLAIR, WILLIAM GARDINER**, *Assistant Professor of Carding and Spinning.*
New Bedford Textile School, 1908; Clemson Agricultural College, Summer, 1927.
- BOLEN, CLAUDE WALDRON**, *Associate Professor of History and Government.*
A.B., Emory and Henry College, 1931; M.A., 1935, Ph.D., 1941, Duke University.
- BOOKER, LEONARD ROWLAND**, *Itinerant State Teacher-Trainer Industrial Education.*
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1932; Graduate Work, Clemson Agricultural College, Summers 1938, 1939.
- BOUCHER, GEORGE HINTON**, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1934; The Infantry School, Basic Course, 1942, Advanced Course, 1943, Transportation Corps School, Associate Basic, 1949.
- BOWEN, WILLIAM CLAYTON**, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1932; M.S., Colorado A & M College, 1940.
- BOYD, VIRLYN ALEXANDER**, *Assistant Professor of Rural Sociology.*
B.S.A., Berry College, 1941; M.S.A., University of Kentucky, 1948.
- BRADBURY, DOUGLAS WILSON**, *Assistant Professor of Drawing.*
B.M.E., Clemson Agricultural College, 1940; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.
- BRADLEY, MARK EDWARD**, *Head of English Department, Emeritus; Professor Emeritus of English.*
A.B., Erskine College, 1898; Graduate Work, University of Chicago, Summers 1904, 1910; University of North Carolina, Summer, 1927.
- BRANNON, CARROLL CLEVELAND**, *Associate Professor of Dairying.*
B.S., Clemson Agricultural College, 1934; Graduate Work, Clemson Agricultural College, 1949.
- *BREWSTER, JAMES PENDLETON**, *Associate Professor of Mathematics.*
A.B., 1935, M.A., 1940, Duke University; Graduate Work, Duke University, 1949-1950, 1950-1951.
- BRIGGS, GEORGE REYNOLDS**, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1915.
- BROCK, DEWEY CLIFTON**, *Assistant Professor of Wood Shop.*
B.S., University of South Carolina, 1925; Graduate Work, Clemson Agricultural College, 1947-1948, 1948-1949, 1949.
- BROCK, JOHN LELAND**, *Head of Industrial Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1927; M.A., George Peabody College, 1936.
- BROWN, HUGH MONROE**, *Dean, School of Textiles.*
B.A., 1920, M.A., 1921, University of Denver; Ph.D., University of California, 1927.
- BROWN, JONAS WILLIAM**, *Assistant Professor of Mathematics.*
B.S., North Carolina State College, 1931; M.A., Duke University, 1948.
- *BROWNLEY, FLOYD IRVING, JR.**, *Assistant Professor of Chemistry.*
B.S., Wofford College, 1939; M.S., Virginia Polytechnic Institute, 1941; Graduate Work, University of Florida, Summer, 1949; Florida State University, Summer, 1950, 1950-1951.
- BRUNER, GEORGE EVANS, III**, *Instructor in Chemistry.*
B.S., Presbyterian College, 1949; Graduate Work, Clemson Agricultural College, 1949-1950, 1950-1951.
- BRUNSON, MARION OTIS**, *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1950.
- BRYAN, NOAH ROSENBERGER**, *Associate Professor of Mathematics.*
B.A., Pennsylvania State, 1913; A.M., University of Pennsylvania, 1918; Ph.D., Columbia University, 1921.

- BURTNER, FRANK A., JR., Associate Professor of Sociology.**
B.A., M.A., University of Texas, 1939; Graduate Work, University of Texas, Summer, 1940; Harvard University, Summer, 1941; University of North Carolina, 1944; Yale University, 1946-1947; University of North Carolina, 1947-1948.
- BYARS, EDWARD FORD, Instructor in Mechanics and Hydraulics.**
B.M.E., Clemson Agricultural College, 1946; Graduate Work, Clemson Agricultural College, 1950-1951.
- BYNUM, WILLIAM LEWIS, Assistant Professor of Military Science and Tactics.**
Major, Ordnance Department, United States Army; B.S., North Carolina State College, 1937; Graduate: Ordnance General Course, The Ordnance School, 1944.
- CALHOUN, FRED HARVEY HALL, Dean Emeritus, School of Chemistry and Geology; Professor Emeritus of Geology and Mineralogy.**
B.S., 1898, Ph.D., 1902, University of Chicago.
- CAMPBELL, THOMAS ALEXANDER, JR., Associate Professor of Textiles.**
B.S., Clemson Agricultural College, 1928; M.Ed., Pennsylvania State College, 1947.
- CARODEMOS, PETER, Professor of Chemistry.**
B.S., Tufts College, 1922; Ph.D., Cornell University, 1927; Harvard University, Summer, 1932; Massachusetts Institute of Technology, Summers, 1941, 1949.
- CARPENTER, CHARLES HAROLD, Assistant Professor of History and Government.**
A.B., Lenoir-Rhyne College, 1945; M.A., George Peabody College, 1946; Graduate Work, University of Chicago, 1948; University of North Carolina, 1949, 1949-1950, Summers, 1949, 1950.
- CARSON, LEWIS ANDERSON, Instructor in Weaving.**
B.S., Clemson Agricultural College, 1949.
- *CARSON, ROBERT GORDON, JR., Assistant Professor of Textiles.**
B.S., Clemson Agricultural College, 1939; Graduate Work, Georgia Institute of Technology, 1949-1950, University of Michigan, 1950-1951.
- CARTEE, EUGENE FRANKLIN, Associate Professor of Weaving and Designing.**
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1937; Graduate Work, Pennsylvania State College, Summer, 1941.
- CARTER, CLIFTON WALKER, Assistant Professor of Drawing.**
B.S., Clemson Agricultural College, 1933.
- CASKEY, CLAIRE OMAR, Instructor in English.**
B.S., Appalachian State Teachers College, 1947; A.M., Duke University, 1948; Graduate Work, Duke University, Summer, 1949.
- *CLARK, GRADY WAYNE, Instructor in Physics.**
B.S., Clemson Agricultural College, 1944; Graduate Work, University of Virginia, 1947-1948, 1948-1949, 1949-1950, 1950-1951.
- CLARKE, ELWYN LORENZO, Head of Civil Engineering Department; Professor of Civil Engineering.**
B.S. in C.E., 1902, C.E., 1931, University of Illinois.
- COHEN, HENRY RUSSELL, Assistant Coach.**
B.S., Vanderbilt University, 1917.
- COKER, EDWARD CALEB, JR., Associate Professor of Mathematics.**
B.S., University of South Carolina, 1928; M.A., University of North Carolina, 1930; Graduate Work, Brown University, 1932; University of Chicago, Summers 1936, 1938, 1939; University of Chicago, 1939-1940.
- COLLINGS, GILBEART HOOPER, Professor of Soils.**
B.S., Virginia Polytechnic Institute, 1915; M.S., University of Illinois, 1917; Ph.D., Rutgers University, 1925.
- COMBS, WATSON G., Assistant Professor of Military Science and Tactics.**
Captain, Infantry, United States Army; Texas Agricultural and Mechanical College, 1940-1942; Tank Destroyer School, Basic Course, The Infantry School.

- COOK, JAMES CLINTON, JR., *Assistant Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1939; Graduate Work, Clemson Agricultural College, 1949, 1949-1950, 1950-1951.
- COOK, JAMES RUSSELL, *Associate Professor of Animal Husbandry.*
B.S., Texas Agricultural and Industrial College, 1939; M.S., Iowa State College, 1948.
- COOKSON, FORREST EUGENE, *Professor of Military Science and Tactics, Commandant of Cadets.*
Colonel, Infantry, United States Army; B.S., United States Military Academy, 1918; Graduate: Infantry School, 1920; Command and General Staff School, 1936.
- COOPER, HERBERT PRESS, *Dean, School of Agriculture; Director, Agricultural Experiment Station; Head of Agronomy Department; Professor of Agronomy.*
B.S., Clemson Agricultural College, 1911; M.S., University of Wisconsin, 1916; Ph.D., Cornell University, 1922.
- COOPER, JAMES BRONAUGH, *Associate Poultry Husbandman.*
B.S., University of Kentucky, 1935; M.S., University of Kentucky, 1938.
- COUCH, JAMES HOUSTON, *Assistant Professor of Forge and Foundry.*
B.S., Clemson Agricultural College, 1941.
- COX, H. MORRIS, *Acting Head of English Department; Professor of English.*
A.B., 1937, M.A., 1939, Duke University; Graduate Work, University of Pennsylvania, 1948-1949, 1949-1950.
- *COX, JAMES TRAMMELL, *Instructor in English.*
A.B., University of North Carolina, 1942; Graduate Work, University of North Carolina, 1945-1946; University of Iowa, 1950-1951.
- COX, WALTER THOMPSON, *Assistant Coach.*
B.S., Clemson Agricultural College, 1939.
- CRAWFORD, GEORGE WOLF, *Assistant Professor of Physics.*
B.S., 1947, M.A., 1949, University of Texas; Graduate Work, University of Texas, 1949-1950, Fall 1950.
- CRONIN, EUGENE STEPHENS, *Assistant Professor of Military Science and Tactics.*
Major, Quartermaster Corps, United States Army; A.B., Boston College, 1937.
- CROUCH, SYDNEY J. L., *Head of Religion Department; Professor of Religion.*
Scotch College, Western Australia, 1910; Biblical Seminary, New York, 1915; B. D. Hartford Theological Seminary, 1922; Th.D., Union Theological Seminary, Richmond, Virginia, 1937.
- CURTIS, DONALD DEXTER, *Head of Mechanics and Hydraulics Department; Professor of Mechanics and Hydraulics.*
B.E., University of Iowa, 1919; M.S., University of Iowa, 1931.
- DAIL, BERNARD EUGENE, *Instructor in Economics.*
A.B., 1949, M.A., 1950, Duke University.
- DALTON, LLOYD AMES, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.S., Texas Agricultural and Mechanical College, 1933; Graduate: Officers' Training School, Miami Beach, 1943; Aviation Engineering, Geiger Field, 1945; Air University, Craig Field, 1949.
- DANIEL, DAVID WISTAR, *Dean Emeritus, School of Arts and Sciences; Professor Emeritus of English.*
A.B., Wofford College, 1892; M.A., Vanderbilt University, 1901; Litt.D., Wofford College, 1914.
- DAVIS, CECIL COOK, *Instructor in Economics.*
B.B.A., 1947, M.B.A., 1949, University of Georgia; Graduate Work, University of North Carolina, Summer, 1950.
- DEAN, JORDAN ARTHUR, *Associate Professor of French and Spanish.*
A.B., Wofford College, 1933; M.A., Vanderbilt University, 1934; Graduate Work, University of Illinois, 1937.
- DINWIDDIE, JOSEPH GRAY, JR., *Assistant Professor of Chemistry.*
B.S., Randolph-Macon College, 1942; Ph.D., University of Virginia, 1949.

*On leave.

- DUNAVAN, DAVID, *Associate Professor of Entomology and Zoology.*
B.S., Oregon Agricultural College, 1925; M.S., Iowa State College, 1928;
Graduate Work, Cornell University, Summers 1929, 1931, 1935.
- EARLE, SAMUEL BROADUS, *Dean Emeritus, School of Engineering; Professor Emeritus of Mechanical Engineering; Director Emeritus, Engineering Experiment Station.*
A.B., 1898, A.M., 1899, Furman University; M.E., Cornell University, 1902;
LL.D., Furman University, 1932.
- EDWARDS, GEORGE HERBERT, JR., *Associate Professor of Mathematics.*
B.A., M.A., University of South Carolina, 1913; Graduate Work, University of Chicago, Summer, 1915; Columbia University, 1917, 1919, Summer, 1917.
- EDWARDS, JOHN CALHOUN, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1942.
- *EDWARDS, JAMES LEON, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1941; Graduate Work, Pennsylvania State College, 1949-1950, 1950-1951.
- EFLAND, THOMAS DANIEL, *Instructor in Knitting.*
B.S., North Carolina State College, 1949.
- EPTING, CARL LAFAYETTE, *Acting Head of Social Sciences Department; Professor of History and Government.*
A.B., Newberry College, 1921; A.M., University of South Carolina, 1924;
Graduate Work, University of South Carolina, 1926, 1928, 1932-1934;
University of North Carolina, Summers 1927, 1928.
- ERLENKOTTER, RICHARD, *Assistant Professor of Military Science and Tactics.*
Captain, Corps of Engineers, United States Army; B.S., United States Military Academy, 1944; M.S., Massachusetts Institute of Technology, 1949.
- FARRAR, MILTON DYER, *Head of Entomology and Zoology Department; Professor of Entomology and Zoology.*
B.S., Iowa State College, 1925; M.S., South Dakota State College, 1927;
Ph.D., Iowa State College, 1933.
- FEELEY, ROBERT OLIVER, *Head of Veterinary Science Department; Professor of Veterinary Medicine.*
D.V.S., New York University, 1906.
- FELDER, HERMAN McDONALD, JR., *Assistant Professor of English.*
A.B., Wofford College, 1930; M.A., Vanderbilt University, 1937; Graduate Work, Duke University, Summers, 1933, 1934, 1946.
- FERNOW, BERNHARD EDWARD, *Head of Mechanical Engineering Department; Professor of Mechanical Engineering.*
A.B., 1904, M.E., 1906, Cornell University.
- FERRIER, WALLACE THOMAS, *Professor of Agricultural Economics.*
A.B., Tarkio College, 1910; M.S., Colorado State College, 1930; Ph.D., University of Minnesota, 1938.
- FORD, JOHN MARTIN, *Assistant Professor of Civil Engineering.*
B.C.E., Clemson Agricultural College, 1946; M.S., University of North Carolina, 1950.
- FREEMAN, EDWIN JONES, *Head of Industrial Engineering Department; Professor of Industrial Engineering and Metallurgy.*
B.S., 1922, M.E., 1939, Clemson Agricultural College; M.S., Virginia Polytechnic Institute, 1942.
- GAGE, GASTON, *Head of Yarn Manufacturing Department, Professor of Carding and Spinning.*
B.S., Clemson Agricultural College, 1921; M.Ed., Pennsylvania State College, 1941.
- GAMBRELL, CARROLL BLAKE, JR., *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1949; Graduate Work, Clemson Agricultural College, 1949-1950.
- GARDNER, RICHARD WILLIAM, *Assistant Professor of Military Science and Tactics.*
First Lieutenant, Armor, United States Army; Clemson Agricultural College, 1947-1950; Officers' Associate Basic Course, Advanced Officers' Course, Fort Knox, 1949.

*On leave.

- GARRISON, OLEN BRANFORD, *Professor of Horticulture.*
B.S., Clemson Agricultural College, 1933; M.S., Louisiana State University, 1934; Ph.D., Cornell University, 1939.
- GATES, JOHN HOBART, *Head of Architectural Department; Professor of Architecture.*
B.S., Bates College, 1924; B.F.A., Yale University, 1928.
- GENTRY, JOHN BAKER JR., *Associate Professor of Vocational Education.*
B.S., Furman University, 1932; Ed.M., Duke University, 1939; Graduate Work, University of Georgia, Summers, 1949, 1950.
- GILES, EDWARD STARKEY, *Assistant Professor of Electrical Engineering.*
B.S., Clemson Agricultural College, 1937.
- GLENN, HOWARD EMMITT, *Vice-Director, Engineering Experiment Station, Professor of Civil Engineering.*
B.S. in C.E., 1922, C.E., 1927, University of Kentucky; Graduate Work, Illinois Institute of Technology, Summer, 1940.
- GLENN, JOE DAVIS, JR., *Assistant Professor of Civil Engineering.*
B.C.E., Clemson Agricultural College, 1942; Graduate Work, University of Tennessee, 1947-1948.
- GODFREY, WILLIAM EMERA, *Professor Emeritus of Physics, Head of Physics Department, Emeritus.*
A.B., 1893, A.M., 1898, Mercer University; Graduate Work, University of Chicago, Summers, 1898, 1899, 1900; Cornell University, 1906-1907.
- GODLEY, WILLIE CECIL, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1943; M.S., North Carolina State College, 1949.
- GOLDGAR, BERTRAND ALVIN, *Instructor in English.*
B.A., 1948; M.A., 1949, Vanderbilt University; Graduate Work, Columbia University, Summer, 1950.
- GOODALE, BEN EDMUND, *Professor of Dairying.*
B.S., 1922, M.S., 1929, Iowa State College.
- GOODIN, CURTIS PAUL, *Assistant Professor of Electrical Engineering.*
B.S., University of Kentucky, 1948.
- GRAHAM, JOHN SMITH, *Assistant Professor of Research and Testing.*
B.S., Clemson Agricultural College, 1943.
- GREEN, CLAUD BETHUNE, *Associate Professor of English.*
B.A., 1935, M.A., 1938, University of Georgia; Graduate Work, University of North Carolina, Summer, 1938; University of Georgia, 1938-1940; Duke University, Summer, 1941; Yale University, 1946-1947; Duke University, 1948-1949, 1949-1950.
- GREEN, JOSEPH COLEMAN, *Professor of English.*
B.A., 1920, M.A., 1924, Ph.D., 1937, Vanderbilt University.
- GUION, THOMAS HYMAN, *Assistant Professor of Textile Chemistry and Dyeing.*
B.S., Davidson College, 1940; Ph.D., University of North Carolina, 1949.
- *HALLMARK, GLEN DUNCAN, *Associate Professor of Electrical Engineering.*
B.S. in E.E., 1935, M.S. in E.E., 1946, Texas A. & M. College; Graduate Work, Texas A. & M. College, 1950-1951.
- HAMMOND, ALEXANDER FRANCIS, *Instructor in Drawing.*
B.E.E., Clemson Agricultural College, 1949.
- HAMMONS, JASPER GLEN, *Assistant Professor of Agronomy.*
B.S., 1940, M.S., 1947, Mississippi State College; Graduate Work, Pennsylvania State College, 1948-1949.
- *HANCE, LACONLA HINSON, *Assistant Professor of Weaving and Designing.*
B.S., Clemson Agricultural College, 1946; M.S., University of Virginia, 1949; Graduate Work, Institute of Textile Technology, 1949-1950, 1950-1951.
- HARDEE, A. MAYNOR, *Instructor in French and Spanish.*
A.B., 1947, M.A., 1948, University of South Carolina; Graduate Work, University of North Carolina, Summer, 1949.
- HARDEN, JOHN CHARLES, JR., *Instructor in Mathematics.*
B.S., Mississippi College, 1947; M.A., University of Tennessee, 1949.

*HARLEY, JAMES HADLEY, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1946; Graduate Work, Ohio State University, 1950-1951.

HARRELSON, MCLEOD WILSON, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1948-1949, 1949-1950, 1950-1951.

*HENDRICKS, THOMAS ANDREW, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1937; Graduate Work, North Carolina State College, 1950-1951.

HEYN, ANTONIUS NICOLAAS JOHANNES, *Professor of Natural and Synthetic Fibers.*

B.S., and M.S., Utrecht University, 1929; Ph.D., Utrecht University 1931; Fellowship with Rockefeller Foundation, College de France, 1932-1933.

*HIND, ALFRED THOMAS, JR., *Instructor in Mathematics.*
A.B., 1934, M.A., 1936. Emory University; Graduate Work, Columbia University, 1937-1938, University of Michigan, 1949-1950; University of Georgia, 1950-1951.

*HOBSON, JAMES HARVEY, *Assistant Professor of Chemistry.*
B.S., University of South Carolina, 1939; M.A., Emory University, 1947; Graduate Work, Emory University, 1947-1948, 1950-1951.

HODGE, WYLIE FORT DUPRE, *Assistant Professor of Architecture.*
Clemson Agricultural College, 1907-1908, 1908-1909; New York School of Fine and Applied Arts, 1915-1916, 1920-1921; R.R. Gallerie di Firenze, Italy, Summer, 1931.

HODGES, BAXTER HOWARD, *Assistant Professor of Chemistry.*
B.S., Clemson Agricultural College, 1933; Graduate Work, University of North Carolina, Summers 1935, 1936, 1937, 1938, 1939; Virginia Polytechnic Institute, Summers 1940, 1941, 1942.

HOLMES, ALESTER GARDEN, *Professor Emeritus of History.*
B.S., The Citadel, 1897; Graduate Work, University of Chicago, Summer 1911.

HOLT, ALBERT HAMILTON, *Instructor in English.*
A.B., 1939, M.A., 1947, University of North Carolina.

HOWARD, FRANK JAMES, *Director of Athletics and Head Coach.*
B.S., University of Alabama, 1931.

HROMI, JOHN DAVID, *Instructor in Mechanics and Hydraulics.*
B.S., Carnegie Institute of Technology, 1948; B.E.E., Clemson Agricultural College, 1950; Graduate Work, University of Pittsburgh, Summer, 1949.

HUBBARD, JULIUS CLIFFORD, JR., *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942; M.S. Georgia Institute of Technology, 1950.

HUDSON, WILLIAM GARRAUX, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1946.

HUFF, LORENZ DITMAR, *Head of Physics Department; Professor of Physics.*
A.B., 1927, M.S., 1928, Oklahoma University; Ph.D., California Institute of Technology, 1931.

HUGHES, DAVIS GREGORY, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1939.

HUMPHREYS, HAROLD WESLEY, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., North Carolina State College, 1943; M.S., State University of Iowa, 1950.

HUNTER, HOWARD LOUIS, *Dean, School of Chemistry and Geology; Professor of Chemistry.*

B. Chem., 1925, Ph.D., 1928, Cornell University; Massachusetts Institute of Technology, Summer 1939.

- HUNTER, JOSEPH EVERETT, *Professor Emeritus of Mathematics.*
B.S., Clemson Agricultural College, 1896; Graduate Work, University of Chicago, Summers 1902, 1904, 1910; University of North Carolina, Summer 1928.
- HURST, VICTOR, *Associate Professor of Dairying.*
B.S., 1938, M.S., 1940, Rutgers University; Ph.D., University of Missouri, 1948.
- JACKSON, ROBERT ISAAC, *Associate Professor of Agronomy.*
B.S., University of Chicago, 1942; Ph.D., Cornell University, 1950.
- JAMESON, LAKE HUGH, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1942.
- JARRELL, HERMAN ARNOLD, *Assistant Professor of Physics.*
A.B., Catawba College, 1941; Ph.D., University of North Carolina, 1948.
- JOHNSON, RALPH BERNARD, *Instructor in Mathematics.*
A.B., Gustavus Adolphus College, 1940; M.A., Teachers College, Columbia University, 1941; M.A., University of Tennessee, 1949.
- *JONES, CHAMP MCMILLIAN, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1939; M.S., Cornell University, 1940; Graduate Work, Michigan State College, 1950-1951.
- JONES, EDWIN DONALD, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1950.
- JONES, JAMES BLANDING, *Assistant Professor of Military Science and Tactics, Adjutant.*
Major, Infantry, United States Army. B.S., Clemson Agricultural College, 1940; The Infantry School, The Army Command and Staff College, The Air Command and Staff School.
- *JONES, JESS WILLARD, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1937; M.S., Cornell University, 1938; Graduate Work, Cornell University, 1950-1951.
- JONES, MORRIS WILEY, *Instructor in Electrical Engineering.*
B.E.E., 1947, M.E.E., 1950, Clemson Agricultural College.
- JONES, ROBERT MORGAN, *Assistant Coach.*
B.S., Clemson Agricultural College, 1930.
- JUMPER, ROY EULISS, *Instructor in History and Government.*
A.B., M.A., University of South Carolina, 1949.
- KELLY, LOUIS GRANT, *Associate Professor of Mathematics.*
B.S., Clemson Agricultural College, 1937; M.S., University of Minnesota, 1949; Graduate Work, University of Minnesota, 1949-1950.
- KENDRICK, NISBET STOVALL, JR., *Instructor in Physics.*
B.S., North Georgia College, 1949; M.S., Emory University, 1950.
- KERR, HUGH BARKLEY, *Instructor in Mechanical Engineering.*
B.S., University of Tennessee, 1947; Graduate Work, University of Tennessee, Summers, 1949, 1950.
- KERSEY, ROBERT NOEL, JR., *Assistant Professor of Electrical Engineering.*
B.S. in E.E., Georgia School of Technology, 1942.
- KINARD, FRANCIS MARION, *Dean, School of Arts and Sciences; Professor of English.*
A.B., Wofford College, 1923; A.M., University of North Carolina, 1929; Graduate Work, University of North Carolina, Summer 1930; Litt.D., Wofford College, 1944.
- KING, WILLIS ALONZO, *Professor of Dairying.*
B.S., Clemson Agricultural College, 1936; M.S., 1938, Ph.D., 1940, University of Wisconsin.
- KIRBY, EUGENE WILLIAM, *Assistant Professor of Military Science and Tactics.*
Captain, Quartermaster Corps, United States Army; B.S., John Carroll University, 1940; Graduate: Officers' Candidate School, 1942.

- KIRKLEY, FRANCIS EDWARD**, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1929; Graduate Work, Clemson Agricultural College, Summers 1938, 1939, 1940; University of Kentucky, Summers, 1942, 1943, 1946, 1947.
- KIRKWOOD, CHARLES EDWARD, JR.**, *Associate Professor of Mathematics.*
A.B., Lynchburg College, 1935; M.S., University of Georgia, 1937; Graduate Work, University of North Carolina, Summer 1939; Duke University, Summer 1940.
- KLUGH, WILLISTON WIGHTMAN**, *Professor Emeritus of Drawing and Designing; Head of Drawing and Designing Department, Emeritus.*
B.S., Clemson Agricultural College, 1896; Graduate Work, Vanderbilt University, 1898; Cornell University, 1900.
- LAGRONE, JOHN WALLACE**, *Associate Professor of Mathematics.*
B.S., Clemson Agricultural College, 1932; M.A., Vanderbilt University, 1934; Graduate Work, University of Kentucky, 1939-1940.
- LAMBERT, ROBERT STANSBURY**, *Assistant Professor of History and Government.*
A.B., 1942; M.A., 1948, University of North Carolina; Graduate Work, University of North Carolina, 1948-1949.
- LANDER, ERNEST M. JR.**, *Associate Professor of History and Government.*
A.B., Wofford College, 1937; M.A., 1939, Ph.D., 1950, University of North Carolina.
- LANE, JOHN DEWEY**, *Professor of English.*
A.B., Newberry College, 1920; M.A., University of Virginia, 1924; Graduate Work, Columbia University, 1928-1929; Summer 1928; George Peabody College, Summer 1935.
- LAMASTER, JOSEPH PAUL**, *Head of Dairy Department; Professor of Dairying.*
B.S., 1918, M.S., 1928, University of Kentucky.
- LANGSTON, JAMES HORACE**, *Associate Professor of Textile Chemistry and Dyeing.*
A.B., Stephen F. Austin State Teachers College of Texas, 1937; M.A., 1939, Ph.D., 1941, University of North Carolina.
- *LAROCHE, EVAN ALLEN**, *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942; Graduate Work, Georgia Institute of Technology, 1950-1951.
- LATHEM, RALPH CRENSHAW**, *Assistant Professor of Yarn Manufacturing.*
B.S., Alabama Polytechnic Institute, 1941; Graduate Work, Clemson Agricultural College, 1949.
- LAZAR, JAMES TARLTON, JR.**, *Assistant Professor of Dairying.*
B.S., Clemson Agricultural College, 1943; M.S., Cornell University, 1949.
- LEE, RUDOLPH EDWARD**, *Professor Emeritus of Architecture; Head of Architectural Department, Emeritus.*
B.S., 1896, M. Arch. 1928, Clemson Agricultural College; Graduate Work, Zanerian Art School, Summer 1899; Cornell University, Summer 1900; University of Pennsylvania, 1901.
- LEHOTSKY, KOLOMAN**, *Associate Professor of Forestry.*
Ing., Bohemian Technical University, Prague, Czechoslovakia, 1928. Ph.D., University of Michigan, 1934.
- LEWIS, ALEXANDER DODGE**, *Associate Professor of Mechanical Engineering.*
B.S. in M.E., University of Tennessee, 1939; M.M.E., Yale University, 1946.
- LINDSAY, JOSEPH, JR.**, *Head of Textile Chemistry and Dyeing Department; Professor of Textile Chemistry and Dyeing.*
A.B., Erskine College, 1919; M.S., University of Tennessee, 1945.
- LINDSEY, TATE JEFFERSON**, *Professor of Physics.*
B.A., Mississippi College, 1928; Ph.D., Indiana University, 1936.

*On leave.

LITTLEJOHN, CHARLES EDWARD, *Assistant Professor of Chemical Engineering.*

B.S., Clemson Agricultural College, 1940; M.Ch.E., North Carolina State College, 1941; Graduate Work, Virginia Polytechnic Institute, 1946-1947, Summer, 1949.

LONG, JIM THOMAS, *Assistant Professor of Electrical Engineering.*

B.E.E., Clemson Agricultural College, 1943; M.S. in E.E., Georgia Institute of Technology, 1949.

LOWRY, WALTER LEE, JR., *Associate Professor of Civil Engineering.*

B.S. in C.E., Virginia Military Institute, 1930; M.C.E., Rensselaer Polytechnic Institute, 1938.

MCADAMS, WILLIAM NEWTON, *Associate Professor of Agricultural Engineering.*

B.S., Clemson Agricultural College, 1938; M.S., University of Georgia, 1939.

MCCAMY, CALVIN SAMUEL, *Instructor in Physics.*

B.Ch.E., 1945, M.S., 1950, University of Minnesota.

MCCORMAC, JACK CLARK, *Instructor in Civil Engineering.*

B.S., The Citadel, 1948; M.S., Massachusetts Institute of Technology, 1949.

MCCULLOCH, JOHN TALBOT, *Assistant Professor of Architecture.*

B.S., Clemson Agricultural College, 1947.

MCDANIEL, EUGENIA INEZ, *Associate Professor of Entomology.*

B.A., Kansas University, 1908.

*MCDONALD, PATRICK HILL, JR., *Instructor in Mechanics and Hydraulics.*

B.S.E., North Carolina State College, 1947; Graduate Work, Northwestern University, Summers, 1949, 1950, 1950-1951.

MCFADDEN, JAMES BANKS, *Assistant Coach.*

B.S., Clemson Agricultural College, 1940.

MCGARITY, HUGH HARRIS, *Director of Music; Associate Professor of Music.*

B.F.A., University of Georgia, 1940; M.F.A., University of Georgia, 1946; Graduate Work, University of Southern California, Summer, 1947.

MCGEE, CHARLES M., JR., *Assistant Professor of English.*

A.B., Furman University, 1934; A.M., Duke University, 1941; Graduate Work, Duke University, 1946.

MCGINTY, RUPERT ALONZO, *Vice-Director Emeritus, Agricultural Experiment Station.*

B.S., Alabama Polytechnic Institute, 1913; A.M., Washington University, 1919; Graduate Work, Cornell University, 1926-1927.

MC HUGH, CARL MANNING, *Assistant Professor of Drawing.*

B.S., Clemson Agricultural College, 1936; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.

MCKENNA, ARTHUR ERNEST, *Head of Weaving and Designing Department; Professor of Weaving and Designing.*

Graduate Rhode Island School of Design, 1922; Bradford-Durfee Textile School, 1925; B.S., Clemson Agricultural College, 1930; M.S., University of Tennessee, 1935.

MCMILLAN, COVINGTON, *Assistant Coach.*

B.S., Clemson Agricultural College, 1930; M.A., George Peabody College, 1935.

MACAULAY, HUGH HOLLEMAN, JR., *Instructor in Economics.*

B.S., 1947, M.S., 1948, University of Alabama.

*MACINTOSH, FRED HENRY, *Associate Professor of English.*

A.B., University of South Carolina, 1936; M.A., Duke University, 1942; Graduate Work, Duke University, 1946, 1947-1948, 1950-1951.

*On leave.

- MARSHALL, JOHN LOGAN, *Head of Wood Shop Department; Associate Professor of Wood Work.*
B.S., Clemson Agricultural College, 1909; Graduate Work, Bradley Polytechnic Institute, 1919.
- MARTIN, SAMUEL MANER, *Professor Emeritus of Mathematics; Head of Mathematics Department, Emeritus.*
B.S., The Citadel, 1896; Graduate Work, Cornell University, Summer, 1900; Harvard University, Summer 1904; University of Chicago, Summer 1908.
- MARVIN, JOHN HENRY, JR., *Instructor in Yarn Manufacturing.*
B.S., Clemson Agricultural College, 1941.
- MATHEWS, ANDREW CLARK, *Associate Professor of Botany.*
A.B., 1928, M.A., 1931; Ph.D., 1939, University of North Carolina.
- MAULDIN, WILLIAM LAWRENCE, *Assistant Professor of Chemistry.*
B.S., Furman University, 1936; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, 1939-1940.
- MEANS, GEORGE CALVIN, JR., *Assistant Professor of Architecture.*
B. of Arch., Western Reserve University, 1947.
- MEEKS, CHARLES DAVENPORT, *Instructor in Forge and Foundry.*
B.M.E., Clemson Agricultural College, 1942.
- MEEKS, MARION LITTLETON, *Assistant Professor of Physics.*
B.S., 1943, M.S., 1948, Georgia Institute of Technology; Ph.D., Duke University, 1950.
- METZ, GUSTAVE ERNEST, *Registrar.*
B.S., Clemson Agricultural College, 1927; M.A., University of North Carolina, 1928; Graduate Work, University of North Carolina, 1928-1929; Ohio State University, Summer 1930; Teachers College, Columbia University, 1931-1932; University of Chicago, Summer 1939.
- *MILLER, WILLIAM GILBERT, *Associate Professor of Mathematics.*
A.B., Birmingham Southern College, 1931; M.A., University of Florida, 1933; Graduate Work, University of Florida, Summer, 1933, 1949-1950, 1950-1951.
- MITCHELL, JACK HARRIS, *Professor of Chemistry.*
B.S., 1903, M.S., 1904, Alabama Polytechnic Institute; M.S., University of Illinois, 1911.
- MONROE, JAMES BEASLEY, *Head of Vocational Agricultural Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1915; M.S., Texas A. & M. College, 1935; Graduate Work, Cornell University, Summer 1938.
- MOORMAN, ROBERT WARDLAW, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1940; M.S., State University of Iowa, 1947.
- MORGAN, CHARLES LEE, *Head of Poultry Husbandry Department; Professor of Poultry Husbandry.*
B.S., 1918, M.S., 1927, University of Kentucky; Graduate Work, University of Wisconsin, 1931-1932.
- MOSS, ALEX ANDREW, *Instructor in Civil Engineering.*
B.C.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1949-1950, 1950-1951.
- MUSSER, ALBERT MYERS, *Head of Horticulture Department; Professor of Horticulture.*
B.S., University of Florida, 1918; Graduate Work, Michigan State College, 1930, 1933.
- MYERS, THORNTON KISE, *Assistant Professor of Air Science and Tactics.*
Major, United States Air Force; B.S., Purdue University, 1935; Graduate: Air Force Primary, Basic and Advanced Flying Schools, 1937; Air ROTC Instructors Indoctrination Course, Air University, 1948.

*On leave.

- NORMAN, ABSALOM WILLIS, Assistant Coach.**
A.B., Roanoke College, 1918.
- NOWACK, ROBERT FRANCIS, Instructor in Mathematics.**
B.S., Carnegie Institute of Technology, 1948; Graduate Work, University of Pittsburgh, Summers, 1949, 1950.
- NUTT, GEORGE BASS, Head of Agricultural Engineering Department; Professor of Agricultural Engineering.**
B.S., Mississippi State College, 1930; M.S., Iowa State College, 1940.
- O'CONNELL, JOHN GABRIEL, JR., Assistant Professor of Architecture.**
B. of Arch., University of Notre Dame, 1943.
- OWINGS, MARVIN ALPHEUS, Professor of English.**
A.B., Wofford College, 1931; M.A., 1932, Ph.D., 1941, Vanderbilt University.
- PARK, EUGENE, Assistant Professor of Mathematics.**
A.B., University of Georgia, 1939; M.A., Lehigh University, 1941; Graduate Work, University of Wisconsin, 1947-1948.
- PERRY, ROBERT LINDSAY, Instructor in Mechanical Engineering.**
B.M.E., Clemson Agricultural College, 1947; Graduate Work, Clemson Agricultural College, 1947-1948, 1948-1949, 1951.
- PETERSON, WEBER HJALMAR, Professor of Agricultural Economics.**
B.S., 1936, M.S., 1938, Montana State College; Ph.D., University of Minnesota, 1947.
- POE, HERBERT VERNON, Assistant Professor of Electrical Engineering.**
B.S. in E.E., North Carolina State College, 1944; M.E.E., Texas A. & M. College, 1950.
- POLK, HENRY TASKER, Associate Professor of Chemistry.**
B.S., 1931, M.S., 1933, University of Kentucky; Ph.D., Cornell University, 1938.
- POLLARD, FRANK H., Professor of Chemistry.**
B.Chem., 1916, Ph.D., 1922, Cornell University.
- POTTER, LARRY HOLMES, Instructor in Mathematics.**
A.B.E., 1943, M.A., 1949, University of Florida.
- POWELL, WOODROW WILSON, Assistant Professor of English.**
B.S., Georgia Teachers' College, 1937; A.M., Duke University, 1941; Graduate Work, University of North Carolina, 1941-1942; Duke University, 1946-1947, 1948-1949.
- PURSER, D. I., Assistant Professor of English.**
B.A., Furman University, 1937; M.A., Duke University, 1942.
- PUTNAM, SAMUEL RUFUS, Assistant Professor of Architecture.**
B.S., 1948; B.Arch., 1949, Clemson Agricultural College.
- RAINEY, WILLIAM THOMAS, JR., Associate Professor of Textile Chemistry and Dyeing.**
B.S., Davidson College, 1939; Ph.D., University of North Carolina, 1949.
- RALLINGS, ELISHA MONROE, Assistant Professor of Agronomy.**
B.S., 1949, M.S., 1950, Clemson Agricultural College.
- REAVES, HARRY LEE, Instructor in Physics.**
A.B., 1949, M.S., 1949, West Virginia University; Graduate Work, Clemson Agricultural College, 1950.
- REED, ALBERT RAYMOND, Associate Professor of Physics.**
A.B., Wofford College, 1925; M.S., University of South Carolina, 1931; Graduate Work, University of North Carolina, Summers 1931, 1933.
- REED, CHARLES ALBERT, Professor of Physics.**
A.B., 1926, M.S., 1929, Ph.D., 1948, University of Oklahoma.
- RHODES, SAM ROSEBOROUGH, Head of Electrical Engineering Department; Professor of Electrical Engineering.**
B.L., 1900, M.S., 1901, Furman University; B.S., 1907, E.E., 1923, Clemson Agricultural College.

RHYNE, ORESTES PEARL, *Head of Modern Language Department; Professor of Modern Languages.*

A.B., Lenoir-Rhyne College, 1907; A.B., 1908, A.M., 1909, University of North Carolina; Ph.D., Johns Hopkins University, 1918; University of Heidelberg, Summer 1914; Resident in Leipzig, 1922.

***RICHARDSON, DRAYTFORD**, *Assistant Professor of Animal Husbandry.*

B.S., Clemson Agricultural College, 1938; Graduate Work, Iowa State College, 1949-1950, 1950-1951.

RICHARDSON, JOE BYRON, *Associate Professor of Agricultural Engineering.*

B.S., Mississippi State College, 1937; M.S., Iowa State College, 1938.

RICHARDSON, JOEL LANDRUM, *Assistant Professor of Textiles.*

B.S., Clemson Agricultural College, 1942.

RITCHIE, ROBERT RUSSELL, *Professor of Animal Husbandry.*

B.S., 1926, M.S., 1938, Iowa State College.

ROBINSON, DAVID HUNTER, *Assistant Professor of Mechanics and Hydraulics.*

B.C.E., Clemson Agricultural College, 1941.

ROBINSON, GILBERT CHASE, *Head of Ceramic Engineering Department; Associate Professor of Ceramic Engineering.*

B. Cer. E., North Carolina State College, 1940.

ROGERS, ERNEST BRASINGTON, *Assistant Professor of Agricultural Engineering.*

B.S., Clemson Agricultural College, 1948; Graduate Work, Texas A & M College, Summer 1950.

ROSENKRANS, DUANE BENJAMIN, *Professor of Botany.*

A.B., Upper Iowa University, 1911; M.A., University of Wisconsin, 1917.

ROSTRON, JOSEPH PRUGH, *Assistant Professor of Civil Engineering.*

A.A., Pasadena Junior College, 1935; B.S. in C.E., Southern Methodist University, 1941; Graduate Work, Clemson Agricultural College, 1947-1948, 1949, 1950, 1951.

RUSH, JOHN MILLARD, *Associate Professor of Bacteriology.*

A.B., Indiana University, 1928; M.S., Illinois University, 1935; Ph.D., Purdue University, 1947.

RUTLEDGE, RAY WATSON, *Associate Professor of Botany.*

B.S., Union University, 1923; M.A., George Peabody College, 1924; Ph.D., University of Chicago, 1930.

SALLEY, JAMES RAWORTH, JR., *Instructor in Chemistry.*

B.S., College of Charleston, 1937; Graduate Work, Clemson Agricultural College, 1949-1950, 1950-1951.

SAMS, JAMES HAGOOD, JR., *Acting Dean, School of Engineering; Professor of Mechanical Engineering.*

B.S., Clemson Agricultural College, 1924; E.E., Cornell University, 1926; M.S., 1931, Ph.D., 1937, University of Michigan.

SCHIRMER, FRANK BONNELL, JR., *Professor of Chemistry.*

B.S., Clemson Agricultural College, 1934; Ph.D., Cornell University, 1939.

SEFICK, HAROLD JOHN, *Associate Professor of Horticulture.*

B.S., 1935, M.S., 1937, Rutgers University; Graduate Work, Michigan State College, 1941-1942, Fall, 1948.

SENN, TAZE LEONARD, *Assistant Professor of Horticulture.*

B.S., Clemson Agricultural College, 1939; M.S., University of Maryland, 1950.

SHACKELFORD, MACFARLAND, *Assistant Professor of Physics.*

B.S., Virginia Polytechnic Institute, 1920.

SHELDON, DAWSON C., *Head of Mathematics Department; Professor of Mathematics.*

B.S., State College of Washington, 1925; M.A., 1927, Ph.D., 1929, University of California.

***SHELLEY, ROBERT CLIFTON**, *Associate Professor of Agronomy.*

B.S., Clemson Agricultural College, 1940; Graduate Work, Mississippi State College, 1950-1951.

*On leave.

- SHIGLEY, JOSEPH EDWARD**, *Head of Drawing and Designing Department; Professor of Drawing and Designing.*
B.S. in E.E., 1931, B.S. in M.E., 1932, Purdue University; M.S., University of Michigan, 1946.
- SMITH, CHESTER ROLAND**, *Associate Professor of Agricultural Economics.*
B.S., University of Alabama, 1941; M.A., 1947, Ph.D., 1950, University of Virginia.
- SNELL, ABSALOM WEST**, *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1949.
- SPINER, DAVID RAY**, *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1948; Graduate Work, Stetson University, 1948-1949.
- STANLEY, EDWARD L.**, *Assistant Professor of Mathematics.*
B.S., East Tennessee State College, 1930; M.S., University of Tennessee, 1935; Graduate Work, George Peabody College, Summer 1938; University of Missouri, Summers 1940, 1941, Spring 1941; Michigan State College, Summer, 1949.
- STARKEY, LAWRENCE VINCENT**, *Head of Animal Husbandry Department; Professor of Animal Husbandry.*
B.S., University of Illinois, 1914; M.S., University of Wisconsin, 1917; Graduate Work, University of Wisconsin, 1930.
- STENSTROM, EDWARD FARNUM**, *Assistant Professor of Industrial Engineering.*
B.S., Clemson Agricultural College, 1943.
- STEPP, JAMES MARVIN**, *Professor of Agricultural Economics.*
A.B., Berea College, 1937; M.A., 1938, Ph.D., 1940, University of Virginia.
- ST. HUBERT, ROBERT LAMONTAGNE**, *Visiting Professor of Architecture.*
Ecole des Beaux Arts, Paris; University of Paris.
- STRIBLING, BRUCE HODGSON**, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1918; M.S., Ohio State University, 1945.
- STRICKLAND, CALHOUN HAROLD**, *Instructor in Dairying.*
B.S., Clemson Agricultural College, 1950.
- STUART, CHARLES MORGAN**, *Assistant Professor of Mathematics.*
A.B., Wofford College, 1920; M.A., Duke University, 1935; Graduate Work, University of South Carolina, 1938, 1945.
- *SULLIVAN, JOHN RUSSELL**, *Instructor in Mathematics.*
A.B., 1939, M.A., 1949, Georgetown University; Graduate Work, University of North Carolina, 1950-1951.
- SUTTON, JAMES FRANKLIN**, *Assistant Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1944; M.S. in M.E., University of Michigan, 1948; Graduate Work, University of Michigan, 1948-1949.
- SWEARINGEN, JOHN COOPER**, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: Infantry School, Officers' Basic Course, 1943, Advanced Officers' Course, 1949.
- TARRANT, WILLIAM EDWARD, SR.**, *Associate Professor of Weaving.*
B.S., Clemson Agricultural College, 1927; M.Ed., Pennsylvania State College, 1947.
- TAYLOR, RUPERT**, *Professor of English.*
A.B., 1903, A.M., 1906, University of Arkansas; Ph.D., Columbia University, 1911.
- *THODE, FREDERICK WILBUR**, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1940; Graduate Work, Cornell University, Summer 1949, Spring 1951.
- THOMSON, DANIEL PARK, JR.**, *Assistant Professor of Carding and Spinning.*
B.S., Clemson Agricultural College, 1927; Graduate Work, Furman University, Summer, 1936; Clemson Agricultural College, Summer 1938; George Peabody College, Summer 1938.

*On leave.

- TINGLEY, FREEMAN THAYER, *Professor of Electrical Engineering.*
B.S., 1922, E.E., 1935, Bucknell University; M.S., University of Illinois, 1929.
- TREVILLIAN, WALLACE DABNEY, *Assistant Professor of Economics.*
B.S., 1940, M.A., 1947, University of Virginia; Graduate Work, University of California, 1949-1950.
- TRIVELY, ILO ALLELY, *Associate Professor of Civil Engineering.*
B.S. in C.E., 1928, M.S. in C.E., 1941, University of Nebraska.
- *TUTTLE, JACK EDWIN, *Instructor in History and Government.*
B.A., 1940, M.A., 1948, Pennsylvania State College; Graduate Work, University of South Carolina, 1949-1950, 1950-1951.
- TYNER, RAYMOND ELLIS, *Instructor in English.*
A.B., Berry College, 1945; M.A., University of Georgia, 1948; Graduate Work, University of North Carolina, Summer, 1949.
- VAN BLARICOM, LESTER OSCAR, *Associate Food Technologist.*
B.S., 1938, M.S., 1940, Oregon State College.
- VAN ESELTINE, WILLIAM PARKER, *Associate Professor of Bacteriology.*
A.B., Oberlin College, 1944; M.S., 1947; Ph.D., 1949, Cornell University.
- VAN FOSSEN, RICHARD WRIGHT, *Instructor in English.*
A.B., Duke University, 1949; Graduate Work, Duke University, 1949-1950.
- *VAUSE, ROBERT ZENO, JR., *Instructor in Mathematics.*
B.S., University of South Carolina, 1943; M.A., Duke University, 1947; Graduate Work, George Washington University, Summer, 1948; University of North Carolina, 1949-1950, 1950-1951.
- VOGEL, HENRY ELLIOTT, *Instructor in Physics.*
B.S., Furman University, 1948; M.S., University of North Carolina, 1950.
- VON KAENEL, JOHN CLIFFORD, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; Colorado School of Mines, 1946-1947; Clemson Agricultural College, 1948-1950; The Infantry School, 1941.
- WADE, BAILEY THOMAS, *Instructor in Mathematics.*
A.B., Franklin College, 1948; M.A., Kent State University, 1949.
- WAITE, E. EMERSON, JR., *Associate Professor of Sociology and Psychology.*
B.S., Middlebury College, 1929; M.A., Duke University, 1940.
- WALTERS, JOHN VERNON, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1933; Graduate Work, Pennsylvania State College, Summers 1940, 1941; Clemson Agricultural College, Summer 1938, 1949-1950, 1950-1951.
- WARE, ROBERT EDWARD, *Associate Professor of Zoology and Entomology.*
B.S., Iowa Wesleyan College, 1929; Graduate Work, Iowa State College, Summers, 1931, 1932, 1933, 1940.
- *WARNHOFF, EDWARD HERMAN, JR., *Associate Professor of Entomology.*
B.S., Clemson Agricultural College, 1946; M.S., Texas A.&M. College, 1947; Graduate Work, Oklahoma A.&M. College, 1950-1951.
- WASHINGTON, WILLIAM HAROLD, *Dean, School of Education; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1920; M.S., Iowa State College, 1922; Graduate Work, Georgia School of Technology, Summer 1925; George Peabody College, Summers 1928, 1929; 1932-1933.
- WATSON, CHARLIE HUGH, *Assistant Professor of English.*
A.B., Wofford College, 1933; A.M., Duke University, 1945.
- WATSON, SAMUEL MCIVER, JR., *Associate Professor of Mechanical Engineering.*
A.B., Elon College, 1936; B.S., 1937, M.S., 1942, North Carolina State College.

- *WEBB, WILLIAM EDWARD, *Instructor in History and Government*.
A.B., Hampden Sydney College, 1943; M.A., Duke University, 1947; Graduate Work, University of Virginia, 1949-1950, 1950-1951.
- WHELESS, HARVEY HOWELL, JR., *Instructor in Agricultural Engineering*.
B.S., Clemson Agricultural College, 1950.
- WHITE, THOMAS ARLINGTON, *Professor of Vocational Education*.
B.S., 1924, M.S., 1929, North Carolina State College; Ph.D., Cornell University, 1933.
- WHITLAW, NATHANIEL OLMSTEAD, *Assistant Professor of Military Science and Tactics*.
Lieutenant Colonel, Cavalry, United States Army; B.S., Clemson Agricultural College, 1932; Graduate: Armored School: Tank Course, 1941, Advanced Tactics Course, 1942, Officers' Instructors Course, 1945.
- WHITNEY, JOHN BARRY, JR., *Associate Professor of Botany*.
B.S., University of Georgia, 1935; M.S., North Carolina State College, 1938; Ph.D., Ohio State University, 1941.
- WHITTEN, WILLIAM CLYDE, JR., *Assistant Professor of Textiles*.
B.S., Clemson Agricultural College, 1947; M.S., Georgia Institute of Technology, 1950.
- WILKINS, RICHARD IRWIN, *Instructor in Architecture*.
B.S., Clemson Agricultural College, 1950.
- WILLIAMS, JOHN FREDERICK, *Instructor in Chemistry*.
B.S., University of South Carolina, 1944; Graduate Work, Clemson Agricultural College, 1949, Summer, 1949, 1949-1950, 1950-1951.
- *WILLIAMS, JACK KENNY, *Assistant Professor of History and Government*.
A.B., Emory and Henry College, 1940; M.A., Emory University, 1947; Graduate Work, University of Kentucky, Summer, 1948; University of Virginia, Summer, 1949; Emory University, 1950-1951.
- WILLIAMS, WILLIAM BRATTON, *Associate Professor of Weaving and Designing*.
B.S., 1925, M.S., 1950, Clemson Agricultural College.
- WILLIAMSON, JAMES B., *Assistant Professor of Military Science and Tactics*.
Major, Signal Corps, United States Army; B.S.E.E., University of Kentucky, 1941.
- WILLIS, SAMUEL MARSH, *Instructor in Weaving*.
B.S., Clemson Agricultural College, 1950.
- WILSON, HAROLD BETTS, *Assistant Professor of Textiles*.
B.S., Clemson Agricultural College, 1941.
- WILSON, MILNER BRADLEY, JR., *Assistant Professor of English*.
A.B., Wofford College, 1924; A.M., Columbia University, 1936.
- WILSON, WILBUR ALBERT, *Instructor in Mathematics*.
B.S.E., 1948, M.S., 1949, University of Arkansas.
- WINTER, JAMES PAUL, *Assistant Professor of English*.
A.B., Marshall College, 1930; M.A., Columbia University, 1932; Graduate Work, Columbia University, 1932-1933, Summers 1939, 1940, 1950; New York University, Summers 1936, 1938; Tulane University, Summer 1935.
- WOOD, KENNETH L., *Assistant Professor of Physics*.
B.S., Carson Newman College, 1932; M.S., University of Tennessee, 1934; Graduate Work, Duke University, Summer 1940.
- WOOD, ROY, *Assistant Professor of Economics*.
B.A., 1943, M.A., 1948, University of Virginia; Graduate Work, University of Virginia, 1947-1948.
- WRAY, CHARLES VICTOR, *Assistant Professor of Textiles*.
B.S., Clemson Agricultural College, 1940.
- WYLIE, WILLIAM LINDSAY, *Instructor in Yarn Manufacturing*.
B.S., Clemson Agricultural College, 1950.
- YOUNG, JOSEPH LAURIE, *Instructor in Architecture*.
B. Arch., University of Texas, 1950.

INSTRUCTIONAL ASSISTANTS*

GUNNIN, EMERY AARON, B.S., *Architecture*

BODDIE, SAMUEL WILLIAMS, B.S., *Chemistry*

ESTES, ROBERT TRUMAN, B.S., *Chemistry*

GRANT, WALTER ERVIN, A.B., *Chemistry*

HALLMAN, ROBERT ELMER, B.S., *Chemistry*

HARDIN, EDWIN GARRETT, B.S., *Chemistry*

THOMPSON, DEWEY TILLMAN, B.S., *Chemistry*

ELROD, ALVON CREIGHTON, B.M.E., *Mechanical Engineering*

ELROD, WILLIAM CORBIN, B.M.E., *Mechanical Engineering*

ROBINSON, SAMUEL WILLIS, JR., B.S., *Physics*

SCHAUFELBERGER, ARTHUR HENRY, B.S., *Physics*.

HAWKINS, JOHN WALTER, B.S., *Textile Chemistry and Dyeing*

JENKINS, RICHARD FREDERICK, B.S., *Textile Chemistry and Dyeing*

BOYKIN, J. D., B.S., *Zoology and Entomology*.

**LIPTON, MOREY, B.S., *Zoology and Entomology*.

*List of Instructional Assistants compiled February 15, 1951.

**On Leave.

STANDING COMMITTEES OF THE FACULTY 1950 — 1951

ADMISSIONS:

Vickery, *Chairman*; Cook, J. C., Garrison, Gentry, Langston, Mauldin, Stanley.

ATHLETICS:

Milford, *Chairman*; Gage, Mitchell, J. H., Morgan, T. W., Rhodes, F. J. Howard, Coach, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*; G. E. Metz, Registrar, *ex officio*.

BUILDINGS AND GROUNDS:

Watson, D. J., *Chairman*; Gates, Glenn, H. E., Hill, H. H., Musser, Nutt, Rhodes, Sams, Webb, H. J.

CALENDAR:

Howard, A. M., *Chairman*; Allen, M. C., Crouch, Evans, J. C., Gribbin, Hill, H. H., Holtzendorff, Metz, Mrs. Metz, Morgan, T. W., Noon, Miss Shanklin, Spangenberg, Woodward, The Commandant, Editor of the Tiger, President of the Senior Class, President of Tiger Brotherhood, President of Blue Key, President of Central Dance Association.

CATALOG:

Vickery, *Chairman*; Brown, A. J., Bradbury, Kinard.

CONCERT SERIES:

Metz, *Chairman*; Burtner, Cook, J. C., Hill, G. H., Howard, A. M., Hunter, McGarity, Miss Shanklin, Watson, D. J., President of Mu Beta Psi, President of the Senior Class, Editor of The Tiger.

CURRICULA:

Kinard, *Chairman*; Brown, H. M., Cooper, H. P., Hunter, Metz, Sams, Sheldon, Washington, Webb, H. J.

DEFICIENT STUDENTS:

Kinard, *Chairman*; Cook, J. R., Dinwiddie, Gentry, LaGrone, McKenna, Stanley, Tingley, Watson, C. H.

ETHICS AND RELIGION:

Crouch, *Chairman*; Allen, M. C., Clark, Evans, J. C., Gribbin, Holtzendorff, Noon.

EVALUATION OF TRANSFER CREDITS:

Owings, *Chairman*; Gage, *Vice-Chairman*; Vickery, *Secretary*; Berne-Allen, Epting, Felder, Huff, Lindsay, J., Morgan, C. L., Nutt, Polk, Rosenkrans, Sheldon, Stribling, B. H., Trively, Watson, S. M.

FOOD AND NUTRITION:

LaMaster, *Chairman*; Lease, Littlejohn, J. C., Milford, Morgan, C. L., Musser, Nutt, Patrick, Starkey, Van Blaricom, J. G. Lindsay, Mess Officer, *ex officio*.

GRADUATE WORK:

Webb, H. J., *Chairman*; Arndt, Aull, Brown, H. M., Carodemos, Collins, Cook, J. M., Freeman, Glenn, H. E., Green, J. C., Heyn, Huff, Hunter, King, Sams, Schirmer, Taylor, R., White.

KRESS RESEARCH:

Brown, H. M., *Chairman*; Carodemos, Lindsay, J., Sheldon, Stepp, Tingley, Webb, H. J., White, Miss Graham, Librarian, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*.

LIBRARY:

Owings, *Chairman*; Aull, Berne-Allen, Bolen, Bryan, Carodemos, Collings, Lindsay, J., Rosenkrans, Stanley, Taylor, R., Watkins, Whitney, Miss Graham, Librarian, *ex officio*.

LOANS:

Littlejohn, J. C., *Chairman*; Brown, A. J., Hill, G. H., Howard, F. J., Vickery, Woodward.

PUBLIC LECTURES:

Bolen, *Chairman*; Cloaninger, Freeman, Green, J. C., Goodale, Lane, Langston, Lindsey, T. J., Stribling, B. H.

PUBLICATIONS AND RADIO:

Seabrook, *Chairman*; Califf, Eleazer, Howard, A. M., Lane, Stribling, S. C., Vickery.

(J. D. Lane, Faculty Adviser for student publications.)

RECREATION:

Webb, H. J., *Chairman*; Cannon, Epting, Gage, Glenn, H. E., Godbey, Hill, G. H., Kirkley, Musser, Nutt, Patrick, Roark, Watson, D. J.

RESEARCH, PLANNING AND DEVELOPMENT:

Brown, H. M., *Chairman*; Arndt, Carodemos, Heyn, LaMaster, Musser, Nutt, Peterson, Robinson, G. C., Sams, Watson, D. J.

SCHEDULE:

LaGrone, *Chairman*; Brock, J. L., Epting, Gage, Huff, Hunter, McGee, Morgan, C. L., Richardson, J. B., Swearingen, Tingley, Vickery.

SCHOLARSHIP AWARDS:

Metz, *Chairman*; Brown, A. J., Gage, Kinard, Rutledge, Shigley, White.

SCHOLARSHIP AND HONORS:

Sheldon, *Chairman*; Carodemos, Curtis, Gentry, Hallmark, King, Lindsay, J., McIntosh, McKenna, Monroe, Schirmer.

SOCIAL FUNCTIONS:

Edwards, G. H., *Chairman*; Bowen, Cox, W. T., Curtis, Dinwiddie, Goodale, Green, J. C., Hill, G. H., Holtzendorff, Paden, Purser, D. I., Tingley, Walker, Williams, W. B., Wilson, H. B., The Commandant.

STUDENT GOVERNMENT:

Goodale, *Chairman*; Armstrong, Lane, Marshall, Metz, Owings, The Commandant.

STUDENT ORGANIZATIONS (Including Honor Societies):

Schirmer, *Chairman*; Brock, Cloaninger, Collings, Freeman, Goodale, Marshall, Sheldon, Vickery.

STUDENT WELFARE:

Lane, *Chairman*; Aull, Bell, Campbell, Coker, Cook, J. C., Hill, G. H., Hunter, Jones, R. M., LaMaster, Mauldin, Metz, Moorman, Sams, Washington.

UNIFORMS:

Littlejohn, J. C., *Chairman*; Brown, A. J., Cannon, Hill, G. H., Lathem, The Commandant, Senior ROTC Quartermaster Instructor, Douthit, Trustee Member.

VISITORS:

Woodward, *Chairman*; Califf, Goodale, Hill, G. H., Hill, H. H., Holtzendorff, Sams, Miss Shanklin, Watson, D. J., The Commandant.

Y.M.C.A.:

Martin, *Chairman*; R. F. Poole, President, *ex officio*; Aull, Cloaninger, Earle, Goodale, Green, J. C., Hunter, J. E., Kinard, Littlejohn, J. C., Douthit, J. B., Trustee Member; Young, T. B., Trustee Member; Folger, T. A., Alumni Member; Henry, J. A., Alumni Member; President of Y.M.C.A., *ex officio*; Holtzendorff, P. B., Jr., General Secretary of Y.M.C.A., *ex officio*.

*OTHER OFFICERS AND ASSISTANTS

JACOB HENRY WOODWARD	Assistant to the President
VIRGINIA EARLE SHANKLIN, A.B.	Secretary to the President
KENNETH NOTLEY VICKERY, B.S.	Director of Admissions
REGINALD JUSTIN BERRY, B.S.	IBM Consultant and Supervisor
HELEN COKER, A.B.	Recorder
EARLE BAKER SCOTT, B.S.	Assistant to the Registrar
NETTIE C. WOODLE	Transcript Clerk
JOHN GOODMAN, B.S., A.B. in L.S.	Assistant Librarian
JAMES MITCHELL REAMES, B.A., B.S. in L.S.	Reference Librarian
MARCY H. NOWACK, A.B.	Acquisition Librarian
SARAH SHIRLEY LANDER, A.B., B.S. in L.S.	Gov't. Document Librarian
KATHRYN D. RYALS, B.S., B.S. in L.S., M.A.	Circulation Librarian
MARY C. STEVENSON, A.B.	Cataloger
SIDELLE ELLIS, B.S.	Bibliographer and Special Aid to Students
FAYE MITCHELL, A.B.	Assistant to Circulation Librarian
EDWARD L. B. OSBORNE, B.S.	Director, News Bureau
GRAHAM HAMILTON HILL	Assistant Business Manager
VIRGINIA POOLE, A.B.	Assistant to the Business Manager
KENNEY R. HELTON	Internal Auditor, Business Manager's Office
HENRY HUGHES HILL, Jr., B.S.	Manager, Housing Project
TRESCOTT NEWTON HINTON, B.A.	Bookkeeper
JOSEPH SHELOR WALKER, B.S.	Bookkeeper
HELEN MORRISON	Assistant to the Treasurer
JAMES B. JONES, Major, U. S. Army	Adjutant
HENRY W. RIMMER, Master Sergeant, U. S. Army	Sergeant Major
JAMES L. ZORENS, Master Sergeant, U. S. Army	Disciplinary Sergeant
IRENE JULIAN, R.N.	Director of Nurses
MYRTLE DEAN	X-Ray and Laboratory Technician
GLADYS MITCHELL, R.N.	Clinical Supervisor
LOIS WRIGHT, R.N.	Bedside Supervisor
DAVID JOSEPH WATSON, B.S.	Supt. of Buildings and Grounds
WILLIAM ERNEST MCGUIRE	Asst. Supt. of Buildings and Grounds
JAMES G. LINDSAY	Mess Officer
FRED LEONARD ZINK, JR.	Assistant Mess Officer
MARGARET C. COCHRAN, B.S.	Dietitian
ALDRICH A. ATKINSON, B.S.	Assistant to Mess Officer
PRESTON BROOKS HOLTZENDORFF, JR., LL.B.	General Secretary, Y.M.C.A.
JOHN ROY COOPER, B.S., M.A.	Associate Secretary, Y.M.C.A.
ROBERT EMMET GRIBBIN, JR., B.A., S.T.B.	Rector, Episcopal Church
SYDNEY J. L. CROUCH, B.D. Th.D.	Pastor, Presbyterian Church
JOSEPH CLAUDE EVANS, A.B., B.D.	Pastor, Methodist Church
JAMES A. NOON	Pastor, St. Andrews Catholic Church
MARION CARROLL ALLEN, B.A., B.D.	Pastor, Baptist Church
JAMES L. SPANGENBERG, A.B., B.D.	Minister to Baptist Students

*List of other officers and assistants compiled February 20, 1951.

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART II

Information

PART II—INFORMATION

GENERAL INFORMATION

Clemson is a land-grant college, a state institution, and one of the A. and M. colleges which emphasizes agriculture and mechanical industries. Clemson is fully accredited by the Southern Association of Colleges and Secondary Schools.

The twenty-eight curricula under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles form a background of training for the hundreds of occupations in which Clemson graduates engage. In addition to the training for a specific occupation, each curriculum is broadened to include fundamental training in the occupational area as well as the worthwhile values of general education. Although the College is organized on the university plan of various schools, it retains its entity through the inter-relationships of schools and departments in providing a well-balanced educational program.

The enrollment of Clemson has grown from 446 students in the opening of the college in 1893 to a pre-war peak of 2,381 and a post-war peak of 3,360 for the first semester, 1949-1950. During this period 28,894 students have attended Clemson and of this number 9,534 have been awarded the bachelor's degree.

REQUIREMENTS FOR ADMISSION

Entrance Requirements. The requirements for entrance to Clemson include graduation from an accredited high school with at least 16 units. Of the units presented for admission it is suggested, though not required, that at least three be in English, one and one-half in algebra, and one in plane geometry.

Students who cannot fulfill the requirements outlined above may be considered for admission as follows:

(1) Applicants who have qualified for a South Carolina High School Certificate by examination are given very careful consideration. The final decision is dependent upon the quantity and

quality of such work as has been completed in high school as well as upon the fact that the applicant has qualified for the certificate.

(2) Mature students who cannot meet the formal requirements indicated above but who have an adequate educational background for scholastic work in college may qualify for admission by passing the entrance examinations. Further information will be furnished on request.

Application Blanks. Blanks to be used in applying for admission may be obtained from the Director of Admissions, Clemson College, Clemson, South Carolina.

Placement Tests. Placement tests, required of all students, are given within a day or two after matriculation. The placement tests consist of examinations on basic information in mathematics and English. The purpose in giving the tests is to determine which students are in need of review courses in mathematics and English before attempting college courses in these important subjects. It is in the interest of the student that he is required to take such a review course if he does not make a qualifying score on the placement test. Such students may begin taking their other freshman subjects, but will postpone freshman mathematics, English, or both, until after they complete satisfactorily the review course or courses required. All new students will be required to take the placement tests, but those who have previously completed college courses in mathematics and English will not be required to take the review courses in these subjects.

Admission to Advanced Standing. Work that has been completed in other colleges will be carefully considered and evaluated in terms of equivalent courses in the curriculum at Clemson selected by the student. The applicant must present for consideration: (a) a statement of honorable dismissal from the institution last attended, (b) an official transcript of his record, including entrance credits and (c) an official statement that he is eligible to return to the institution last attended. College credits given by transfer are provisional and may be cancelled at any time if the student's work is unsatisfactory. A student coming from another institution must spend at least one regular session in the College before he is eligible to apply for a degree.

Matriculation. Students upon arrival at the College at the opening of the session must report at once to the Registrar's Office. New students will be directed in the procedure necessary to complete their enrollment. A student's matriculation with the College is equivalent to his pledge to conform to the rules of the institution. Any admission gained or matriculation made irregularly is subject to cancellation.

EXPENSES

Settlement of College Fees. The Treasurer of the College is the fiscal officer and all transactions relating to payments must be conducted through him. The entrance payment includes the full cost of uniform plus fees and living expenses for the first quarter and must be made before a student can be assigned to a room in barracks or permitted to begin work. Other payments are due as indicated. Remittances should be made in cash, money order, cashier's check, or by local check made payable to A. J. Brown, Treasurer. All remittances made by mail must be addressed to: The Treasurer, Clemson College, Clemson, South Carolina. A personal check which is given in payment of dues and is returned by the bank unpaid automatically cancels a student's reservation and automatically drops from class rolls a student who is in school.

Expenses. The cost to South Carolina barracks students for board, laundry, room, all fees, and tuition will amount to \$531.00 for the 1950-1951 session. Students from other states pay an additional \$170.00. The State Law requires that all non-resident students pay the out-of-state tuition. The bona fide residence of the parent, or legal guardian, determines the residence of the student. The college reserves the right to adjust expenses to current costs.

In addition to the expenses indicated above, each freshman cadet will pay to the College Treasurer the cost of the uniform. For the 1950-1951 session the cost of the uniform was \$126.00.

The 1950-1951 payments for regular cadets, including room, board, laundry, all fees, tuition, and uniform are indicated below.

Payments Due	South Carolina	Non-Resident
	Students	Students
At entrance	*\$258.75	*\$301.25
November 8	132.75	175.25
February 1	132.75	175.25
March 29	132.75	175.25

* Includes \$126.00 for freshman uniform.

The payments for room, board, and laundry, for qualified non-ROTC veterans staying in the barracks are given below:

Payments Due	Qualified Veterans in Barracks
At Entrance	\$86.60
November 8	86.60
February 1	86.60
March 29	86.60

For veterans qualified for benefits under the G. I. Bill or Veteran's Vocational Rehabilitation, the Veterans Administration pays tuition fees and the costs of necessary books and supplies. The veteran pays his own living expenses but the subsistence checks to be received by the veteran will more than reimburse him for the cost of living in the barracks at Clemson.

Information concerning payments for Day Cadets will be furnished on request.

Books and Supplies. The cost of books is not included in the figures given above. Freshman books and supplies cost approximately \$40.00 at the beginning of the regular session. For veterans, qualified for benefits under the G. I. Bill or Veterans Vocational Rehabilitation, books and educational supplies will be issued, the cost to be paid by the Veterans Administration.

Uniforms. Clemson cadets are wearing a distinctive gray uniform of a design and material similar to that worn in Pre-war days. The garments required are: 1 gray service coat, 2 gray service trousers, 4 gray cotton trousers, 2 service caps, 1 blue mackinaw, 1 web waist belt, 1 coat belt, 6 gray cotton shirts, and 1 raincoat. Insignia are purchased by the individual in addition to these major items.

After the first year, the cadets will be required to purchase only needed articles. Based on prior usage factors, the minimum requirements for each successive year will be \$12.00.

In this connection, parents are advised that those students who are successful in entering ROTC receive a substantial amount from the United States government in the form of commutation of uniform; specifically, \$25.00 each year for the Freshman and Sophomore years and \$90.00 for the Junior and Senior years combined. These amounts may vary slightly from year to year.

Refunds. No refunds will be made on Tuition and Fees other than living expenses after five weeks attendance during the semester. Refunds for periods of attendance during the semester of less than five weeks will be based upon a charge of 20% for less than two weeks, 40% between two and three weeks, 60% between three and four weeks and 80% between four and five weeks.

Living expense items will be refunded on a prorata basis, holidays excepted, for periods unused in excess of two weeks.

Lost or Damaged Articles:

The College will not be liable for articles lost or stolen in the barracks.

The College will not be liable for lost or damaged laundry unless reported within two days after the date upon which the laundry was due to be delivered, and then not more than the actual depreciated value of such articles as have been lost or damaged.

Student Banking Accounts. For the convenience of students the College operates a banking department in the Treasurer's Office where money can be deposited and withdrawn as the occasion may demand. This service is purely local. Students are urged to deposit their money in the bank and not to keep it in their rooms.

Books and Supplies. Books and supplies may be purchased at the local book store.

Each student will be required to own his textbooks and necessary equipment. All students shall submit their textbooks and other equipment for inspection at such times as are ordered.

Optional Expenses. It is not possible to give an estimate of a student's expenditures for such amusements as dancing, moving pictures, etc. This depends largely upon the disposition of the young man. The College endeavors to reduce to a minimum the temptation to spend money needlessly, but the authorities cannot be responsible for a student's private expenditures. This must be a matter between him and his parents.

Transcripts. Official transcripts of scholastic records are issued on request. One transcript is furnished free; additional copies are issued for one dollar each. Remittances for transcripts should be made payable to The Treasurer, Clemson College, but should accompany transcript requests and should be mailed to The Registrar.

Student Aid. A number of young men secure positions as waiters in the mess hall, for which service they are paid at the rate of about fifteen dollars a month. These positions are filled by the Mess Officer, to whom all correspondence should be addressed.

FINANCIAL ASSISTANCE

The College is in need of funds to lend worthy students. Donations for this or other purposes may be made to the Board of Trustees of Clemson College, or to the Trustees of the Clemson Alumni Foundation. The President of the College or the Secretary of the boards named above will be glad to communicate with any person who is interested in establishing such a fund.

Sources of financial assistance at Clemson are listed below:

The William Wilson Finley Loan Fund. The sum of \$1,000 has been deposited with the College to be used as a loan fund to students living in counties traversed by the Southern Railway or the Blue Ridge Railway.

The George Cherry Foundation. Mrs. Mary Cherry Doyle has donated \$1,000 to aid worthy and needy students from Oconee County and that part of Anderson County including Pendleton. This fund is not available for first-year students.

Clemson Student Loan Association Fund. A number of interested teachers, officers, alumni, and friends of Clemson College have contributed \$2,500 to be loaned to worthy Clemson students.

The Wade Stackhouse Loan Fund. A gift of \$20,000 from Dr. Wade Stackhouse of Dillon, whose father, the late Hugh Milton Stackhouse, was a trustee of Clemson has been deposited with the College. The fund is designed to furnish assistance through loans to ambitious Clemson graduates who give promise of becoming leaders in research.

Daniel Memorial Loan Fund. Interest on \$10,000 given by Daniel Construction Company as a memorial to the late James Fleming Daniel and Fred Adams Daniel, father and brother respectively, of the officers of the corporation.

The Alexander P. Anderson and the Lydia Anderson Fellowship. Mr. and Mrs. Anderson have given to the Clemson Agricultural College the sum of \$12,500 for the purpose of establishing a fellowship fund. The income from this trust fund is to be used for the purpose of awarding a scholarship or fellowship to one or more Clemson graduates for advanced work in biological sciences including bacteriology and entomology. The scholarship is to be awarded annually by the faculty of the Clemson Agricultural College to an outstanding student. The name of the beneficiary is reported to the Board of Trustees, and an accounting of the funds by the Treasurer of the College is made annually.

The Sears Roebuck Agricultural Foundation has made funds available for freshman agricultural scholarships at Clemson for the past several years. There are thirteen one-hundred-fifty-dollar Sears Roebuck Scholarships available for 1951-1952 for freshmen who major in agriculture. The scholarships are awarded on the basis of a competitive examination. Further information concerning these awards may be secured from Dr. H. P. Cooper, Dean, School of Agriculture, Clemson College, Clemson, South Carolina.

Warwick Chemical Foundation in Memory of Manfred Caranci. The sum of \$3,000 to be held as part of the general capital endowment funds and the income to be used from time to

time as the governing board shall from time to time designate, primarily for scholarships to encourage education and research in chemistry and to enable worthy students to pursue graduate studies in chemistry, and otherwise to promote chemical education.

Howard Carlisle Copeland Memorial Fund. The family of Howard Carlisle Copeland, who gave his life during the recent war, has set up a permanent memorial fund to be known as the Howard Carlisle Copeland Fund. Each year the interest from the fund shall be given to the boy who has made the greatest endeavor financially to stay in college. In 1950 this award was made to George Washington Mosteller of Greer, South Carolina.

Ben and Kitty Gossett Scholarship Fund. A trust fund of \$10,000 administered by the President of the College and Trustees of the Clemson College Foundation, the interest from which is available for scholarships. First consideration in awarding these scholarships is to be given to young men whose families are employed in the textile mills of South Carolina.

The V. B. Higgins Fund. The sum of \$27,500.00 has been deposited with the Clemson College Foundation by Mr. V. B. Higgins, Class of 1910, to establish a fund to be used:

1. To provide one or more complete Scholarships for a student of Engineering after his first year at Clemson College.
2. For the promotion of research in Engineering.
3. For the promotion of Engineering Education.

BUILDINGS AND GROUNDS

Buildings. Tillman Hall houses the offices of the President, the Registrar, the Commandant, the Treasurer, the Business Manager, the Professor of Military Science and Tactics, and the Dean of the School of Arts and Sciences. This building also has over twenty classrooms. At the north end of the building is Memorial Hall, the College Auditorium, with a seating capacity of about eighteen hundred.

The Library Building, located in approximately the center of the campus, houses the Main Library, the Agricultural Reference Department, the Museum, the Recreational Reading Room,

Radio Room and the Music Room. The Social Science Department uses four class rooms on the second floor, and the Mailing Room for the Experiment Station and Extension Departments is on the basement floor.

The Library contains 120,000 bound volumes, consisting of books, periodicals and U. S. Government Publications. In addition to the bound volumes the Library contains 769,000 unbound Federal, State, Experiment Station and Extension Service publications; 7,200 unbound periodicals and 87,500 pamphlets and clippings in the vertical subject file.

The Museum is located on the balcony of the Main Reading Room. It contains many interesting items—Indian Relics, mounted birds and animals, and World War I and II relics, all of which were gifts from friends and alumni.

The Recreational Reading Room is located in the basement of the Library Building, is beautifully and comfortably furnished, and contains many popular and attractive books, current magazines, and daily newspapers.

The Music Room, also located on the basement floor, contains a Carnegie Collection of 1,285 recordings of classical and semi-classical music, an RCA record player, along with music scores and other books relating to music.

The Library Staff consists of nine professionally trained Librarians and several other non-professional assistants and clerical workers. A trained Librarian is always on duty to assist faculty and students.

The Library is open daily from 8 a. m. until 10 p. m., Monday through Friday, from 8 a. m. to 5:30 p. m. Saturdays, and from 2 p. m. to 10 p. m. Sundays, with the exception of holidays.

The instructional work of the institution is maintained largely in the departmental buildings. The Schools of Agriculture, Engineering, Textiles, Education, and Chemistry have individual buildings especially designed for their purposes. The School of Arts and Sciences is located in the Administration

Building and the Physics Building with additional classrooms in the Library. Certain laboratory work is conducted at the green-houses, live stock barns, poultry plant, veterinary hospital, and other buildings on the college farm.

The cadet barracks consist of nine large brick buildings—five of which were constructed since 1935 and three temporary wooden structures erected during 1946. All barracks are steam-heated, electrically-lighted, and supplied with hot and cold water. The one thousand and twenty-six rooms in the barracks are furnished with single-width iron beds and other necessary equipment.

The Hospital, located about a quarter of a mile from the barracks, is a wooden building, especially designed for the purpose. The equipment includes a Victor X-ray machine, a new Burdick ultra-violet ray machine, and a sorenson machine of the latest design for ear, eye, nose, and throat treatments.

The Y. M. C. A. building is a four-story structure equipped with club rooms, lounge rooms, game rooms, and has in addition, thirty rooms available for permanent roomers, guests, and transients. Some of these rooms are reserved for members of the Extension Department and other visitors and guests, and are equipped with connecting or private baths. Having an auditorium, gymnasium, and swimming pool, the YMCA building is admirably fitted to serve as a center of social activities and voluntary religious work. Two auditoriums equipped with heating and cooling systems provide accommodations for numerous conferences, especially during the summer months when fewer students are in school.

The Physical Education Building consists of a central office and dormitory section, a field house, and a gymnasium.

The Laundry, which is operated exclusively for the students, is a brick building, equipped with improved modern machinery.

Fort Hill, the former home of John C. Calhoun, is located on the Clemson campus. In accordance with the provisions of

Mr. Clemson's will, this residence has been made a shrine in honor of Mr. Calhoun. Several pieces of furniture and other interesting relics, formerly the property of Mr. Calhoun, are carefully preserved in this home, where they may be seen by visitors to the college.

Grounds. The college grounds comprise about 1,645 acres, including the campus, the farm, and the Experiment Station grounds. The two-hundred acre campus is laid out in walks, drives, and lawns, and is shaded by a beautiful grove of native forest trees.

LIVING CONDITIONS

At Clemson cadets live in barracks under military discipline. A cadet must at all times be present or accounted for. The barracks or dormitories are divided into "halls" for military purposes, a company being assigned to a hall under the supervision of cadet officers.

Cadet officers remain on duty both day and night at the guard room, in which is located a long-distance telephone with twenty-four hour service.

Each student room is equipped with necessary furniture. The beds are single width. Bed linen, bed covers, pillows, and towels must be furnished by the students. All students are required to provide themselves with two laundry bags. These laundry bags should be not less than 20 by 30 inches.

The dining hall, or mess hall, is located in Barracks No. 1. It is equipped and is under the supervision of the mess officer. The kitchen and cold storage plant are among the best in the South. All students living in the barracks eat in the dining hall.

Three hundred and forty-eight houses for veteran students with families are also provided. These houses are the prefabricated type and are equipped with space heater, cooking range, hot water heater and ice boxes. Applications should be submitted to the Clemson Housing Project, located in the Administration Building.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

All cadets of the college are required to take military training. ROTC is compulsory for the first two years for all physically qualified students, unless they have completed the basic course at other schools or are veterans enrolled under Public Laws 16 or 346. Qualified veterans of World War II who are not in the Cadet Corps are excused from all military functions. They may elect to become members of the ROTC with permission of the PMS&T, in which event they become members of the Clemson Cadet Corps.

The Department of the Air Force and the Department of the Army maintain Senior Division Units of the ROTC at Clemson. The institution is classified by the Department of the Air Force and the Department of the Army as a Military College. The mission of the Reserve Officers' Training Corps is to produce junior officers who have qualities of leadership and attributes essential to their progressive and continued development as officers in the Air Force and Army of the United States. The Military Department at Clemson places emphasis upon leadership to assist Clemson men in meeting any situation in life with success and honor.

The Department of the Air Force provides a course in Aircraft Maintenance Engineering. The Department of the Army maintains six branches at Clemson as follows: Armor, Infantry, Ordnance Corps, Corps of Engineers, Quartermaster Corps and Signal Corps.

The ROTC at Clemson consists of two parts: the Basic Course (Freshman and Sophomore Military or Air Science) and the Advanced Course (Junior and Senior Military or Air Science). The Basic Course consists of two hours of scheduled classroom work, two hours of drill and one hour of inspection per week. The Advanced Course consists of four hours of scheduled classroom work, two hours of drill and one hour of inspection per week. For each semester Basic ROTC training successfully completed, the student receives one credit hour and for each semester Advanced ROTC successfully completed, the student receives three credit

hours, all of which are counted as approved credits in the curricula toward a degree.

The first year Basic Course is common to both the Army and the Air Force. Before entering the second year Basic Course, the student must decide whether he wishes to enroll in Army ROTC or Air Force ROTC. The student is permitted to select the ROTC course he desires consistent with his major course and established quotas for each service.

For enrollment in a particular Army branch, the student must be majoring in one of the major courses indicated below:

Armor	—Any major course.
Corps of Engineers	—Any Engineering course, Architecture, or any major course leading to a scientific degree.
Infantry	—Any major course.
Ordnance Corps	—Any Engineering course or any major course leading to a scientific degree.
Quartermaster Corps	—Any major course.
Signal Corps	—Any Engineering course, Industrial Physics, Arts and Sciences, or any major course leading to a scientific degree.

For enrollment in Aircraft Maintenance Engineering, it is a policy to select those students majoring in an Engineering course.

For all practical purposes the student will, upon completion of Sophomore ROTC, select the same branch in the Advanced course as he pursued during the Sophomore year.

Summer Camp. Members of the Advanced Course are required to attend camp one summer, normally between the junior and senior years. All students going to camp receive mileage for the round trip at the rate of five cents per mile, and are messed, housed, uniformed, and given medical attention at government expense while at the camp. The camp is of six weeks duration and it begins about June 20 each year.

The military training at camp consists of practical and theoretical instruction of a specialized branch-type, emphasizing

field work and special equipment that cannot readily be housed or maintained on the campus. In addition to this training, the student has an opportunity to participate in healthy outdoor sports of all kinds and in competition with young men from other colleges. A religious program is conducted at each camp.

Distinguished Military Graduates. Both the Army and the Air Force have a program whereby outstanding ROTC students are eligible upon graduation for direct appointment as commissioned officers in the regular service. At the completion of their Junior ROTC, students who have creditable grades in their academic subjects and Military Science, and possess outstanding qualities of leadership, character and aptitude for military service, are designated, with the approval of the College President, as Distinguished Military Students by their PMS&T or PAS&T. Distinguished Military Students who continue their outstanding record during their final year are designated as Distinguished Military Graduates. A Distinguished Military Graduate may apply for an appointment as a second Lieutenant in the Regular Army or the Regular Air Force.

Enrollment and Continued Requirements. The general requirements for enrollment and continuance in the ROTC are that the student be a citizen of the United States, physically qualified as prescribed by the Department of the Army or Air Force, accepted by the institution as a regularly enrolled student, be not less than fourteen years of age and must not have reached twenty-three years of age at the time of enrollment except for veterans of World War II enrolling at college prior to January 1, 1950; in addition, the student must successfully complete such general survey screening tests as are given to determine eligibility for admittance to the basic and advanced courses and agree in writing upon admission to the Advanced ROTC course to complete the course of instruction offered unless released by the Department of the Army or Air Force. Should a student fail to continue the prescribed course while a student at Clemson College, he may be required to refund to the Government any sums previously paid. The contract will expire if the student's attendance at school is interrupted for more than two calendar years. All students formally enrolled in the Advanced Course

must not have reached twenty-seven years of age at the time of enrollment.

Emoluments. Currently, commutation in lieu of uniforms is paid to Basic ROTC students at the rate of \$25.00 per year, not to exceed two years, and to Advanced ROTC students at the rate of \$90.00 for the Junior and Senior years combined. In addition, Advance course students receive commutation in lieu of subsistence at the rate of ninety cents per day for a total of not to exceed 592 days, and the pay of a private (\$75.00 per month) while at summer camp. A student who enters the ROTC as a freshman and continues until his graduation will have drawn from the government over \$750.00 at the present rate of commutation.

ROTC subsistence allowance is paid to veterans who are enrolled in the Advanced Course in addition to subsistence allowance under Section 400(b), Serviceman's Readjustment Act of 1944.

Band. The Corps of Cadets has a band composed of about one hundred members; it is organized as a cadet company. Both the War Department and the college have provided instruments; however, potential members of the Band are encouraged to bring their instruments to college with them. The training of the band is under the supervision of a competent director.

Rifle Team. A rifle team chosen through individual competition is selected to represent the ROTC in Hearst Matches, Army Matches, Air Force Matches, and in matches with other colleges and universities throughout the country. Shoulder-to-shoulder matches are fired each year. The firing is conducted with modern small-bore target rifles on an indoor range.

STUDENT HEALTH SERVICE

The Surgeon, who has complete charge of the hospital, is one of the regular officers of the College, and his special duty is to look after the health of the students.

At a specified time every day, students who desire may consult the Surgeon, and those who are admitted to the hospital are cared for by experienced nurses in the college hospital. In case of necessity students are allowed to consult the Surgeon at any time, or to send for him in an emergency.

The Surgeon cannot undertake to notify parents every time a student reports to the hospital for medicine, or for rest on account of some slight complaint. However, they may rest assured that they will be notified at once of sickness of any consequence.

The medical fee paid by each student is intended to cover all ordinary cases of sickness and their treatment. It is not intended to cover fees of doctors or specialists called into consultation, for performing operations, for special nurses, or for any medical or surgical attentions performed away from the College; and the College does not assume any responsibility for accidents that happen away from the College. Such expenses must be borne by the parents. The right of the College Surgeon, with the approval of the President of the College, to incur in behalf of any student under his care any of these extra services is hereby expressly reserved.

RELIGIOUS INFLUENCES

Clemson cooperates with the various churches and the Y. M. C. A. in the religious training of its students. The Y. M. C. A., located on the campus, provides accommodations for all denominational groups not having church homes on the campus and is used a great deal by campus church groups, often because it is so convenient and accessible. Numerous union services and cooperative meetings of young people's societies of the campus churches, of the Y. M. C. A. Councils, and Cabinet afford a united front for religious services.

Six denominations: Baptist, Episcopal, Lutheran, Methodist, Presbyterian, and Roman Catholic, have erected churches in the community. Arrangements are made for services for students of other denominations. Sunday schools and young people's church societies are maintained by the local churches. Attendance upon the services of these organizations is voluntary.

Courses in Religion, which are credited as free electives, are offered. This work is not financed by the College. For information regarding these courses see the description of courses.

HISTORICAL STATEMENT

In 1889, the General Assembly of South Carolina accepted the bequest of Thomas G. Clemson, which set aside the bulk of the Clemson estate for the founding of a scientific and technical college. The institution was also established under the Morrill Land-Grant Act passed by the National Congress in 1862. Clemson College, therefore, is the Agricultural and Mechanical College of South Carolina and is a member of the national system of Land-Grant Colleges and Universities.

The nature of the institution is outlined in Mr. Clemson's will and its acceptance by the legislature.

The will in part reads:

"Feeling a great sympathy for the farmers of this State, and the difficulties with which they have to contend in their efforts to establish the business of agriculture upon a proper basis, and believing that there can be no permanent improvement in agriculture without a knowledge of those sciences which pertain particularly thereto, I have determined to devote the bulk of my property to the establishment of an Agricultural College upon the Fort Hill Place. My purpose is to establish an Agricultural College which will afford useful information to the farmers and mechanics; therefore it should afford thorough instruction in agriculture and the natural sciences connected therewith; it should combine, if practicable, physical with intellectual education; and should be a high seminary of learning in which the graduate of the common schools can commence, pursue and finish a course of studies terminating in thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture. * * * * but to always bear in mind that the benefits herein sought to be bestowed are intended to benefit agriculture and mechanical industries. * * * * I trust I do not exaggerate the importance of such an institution for developing the material resources of the State, by affording its youth the advantages of scientific culture.

"The desire to establish such a school or college, as I have provided for in my said last will and testament, has existed with me for many years past, and many years ago I determined

to devote the bulk of my property to the establishment of an Agricultural School or College. To accomplish this purpose is now the one great desire of my life."

This will gave all that part of the Fort Hill Estate inherited by Mrs. Clemson from her mother and the bulk of Mr. Clemson's other real and personal property. The latter amounted to a sum, which, considering the purchasing power at the time, probably has been only a few times exceeded in a public benefaction in South Carolina.

A Board of Trustees of seven members was provided for: R. W. Simpson, D. K. Norris, M. L. Donaldson, R. E. Bowen, B. R. Tillman, J. E. Wannamaker, and J. E. Bradley, who with those chosen by the General Assembly, should constitute a governing board in case the State accepted the bequest; but, who, in case the State declined the bequest, should alone constitute a governing board for a private institution.

These seven trustees, along with other friends of the movement, and the agricultural groups in the State developed and organized a public opinion favorable to the plan.

In November, 1889, the General Assembly of South Carolina accepted the terms of the will, and, following the decision of the United States Supreme Court to uphold the will, the State of South Carolina and the full Board of Trustees proceeded to convert the dream of Thomas G. Clemson into the reality of Clemson College.

The College was formally opened in July, 1893, with an enrollment of 446 students. The first graduating exercises were held in December, 1896, with a graduating class numbering thirty-seven—fifteen in the agricultural courses and twenty-two in the engineering courses.

LOCATION

The College is located on the Fort Hill homestead of John C. Calhoun, in the foothills of the Blue Ridge Mountains. It has an elevation of 800 feet above sea level and commands an excellent view of the mountains to the north and west, some of which attain an altitude of over five thousand feet.

The College is located at Clemson, S. C., on the main line of the Southern Railway, and four miles from Pendleton, on the Blue Ridge Railway. State Highways numbers 13 and 28 pass through Clemson, and daily bus service at regular intervals is available.

CLEMSON COLLEGE ALUMNI CORPORATION

The Alumni Corporation has established a permanent office on the campus. The office is in charge of a secretary, who is elected by the Board of Directors of the Corporation. The Clemson office is a clearing house for all matters concerning the alumni. In addition to keeping accurate records of addresses and information concerning alumni, the Corporation has established at the Clemson headquarters a bureau for repairing Clemson class rings, and for securing duplicates of these rings.

The Corporation holds its regular annual meeting at the College on Saturday of Commencement. At this meeting all officers are elected. The Secretary is elected by the Board of Directors which is in turn responsible to the general Corporation for the conduct of its business. The purpose of the Alumni Corporation is to serve the College and the alumni in every possible way. All correspondence regarding its affairs is conducted through the Clemson office.

Graduates and former students are requested to keep the Alumni Office informed as to change of address, occupation, and other matters that will be of interest to those in charge of Alumni Records and mailing lists.

The Alumni Corporation is now raising a fund to be used in educating the sons and daughters of Clemson men who were killed in World War II. The fund now stands at approximately fifty-thousand dollars. Anyone interested in contributing to this fund should contact the Alumni Secretary, Clemson College, Clemson, South Carolina.

The Alumni Corporation is also raising a fund as an endowment for the College, known as the Clemson College Foundation. This fund will be used for the benefit of Clemson College, its students, faculty and alumni.

**THE
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PART III

Student Life And Activities

PART III—STUDENT LIFE AND ACTIVITIES

CADET MILITARY ORGANIZATION

Clemson College is operated as a military school. The purpose of the military in the college is to instill the soldierly qualities of loyalty, obedience, courteousness, punctuality, self-control, and courage.

The military system places every student on an equal standing. All cadets wear the uniform, live under the same conditions, and are subject to the same privileges and restrictions.

The military system assists the students in pursuit of a college education. Military training gives to Clemson graduates advantages that are important factors in their future progress and success.

CLUBS AND SOCIETIES

Honor Fraternities. Honor scholarship organizations, including Tau Beta Pi, Sigma Tau Epsilon, Phi Psi, Alpha Zeta, Alpha Tau Alpha, Iota Lambda Sigma, Alpha Chi Sigma, Sigma Pi Sigma, and the Minaret Club, give recognition to superior work done by Engineering, Arts and Sciences, Textile, Agricultural, Agricultural Education, Industrial Education, Chemistry, Physics, and Architecture students respectively.

The Phi Kappa Phi, honor society, and the Phi Eta Sigma fraternity both have chapters at Clemson. The former is an all-college honor organization composed of members of the senior class. The latter is a freshman organization with members selected from students who attain a high scholastic standing during the first semester of the freshman year.

The military activities of the cadet officers of the corps are recognized in membership in the Society of Scabbard and Blade, a national military honor fraternity. The Pershing Rifles, a national honorary military organization, also has a chapter at Clemson.

The Blue Key, a national fraternity based upon leadership, has a chapter at Clemson, as does Alpha Phi Omega, a national fraternity for former Boy Scouts. The Tiger Brotherhood is a local organization at Clemson which stresses the qualities of leadership.

Student Clubs. Students majoring in various courses of instruction have organized clubs. Among such clubs are included the Agricultural Economics Society, the Dairy Club, the Horticultural Club, and Iota Epsilon (Industrial Education) and the Animal Husbandry Club.

The Calhoun Forensic Society and the Strawberry Leaf promote literary activities among the students; and the Gamma Alpha Mu recognizes superior journalistic service rendered by students.

The Y. M. C. A. and the Clemson Churches are recognized through organizations of the Baptist Student Union, Brandeis Club, Canterbury Club, Newman Club, Presbyterian Students Association, Wesley Foundation, Y. M. C. A. Cabinet, and the "Y" Council representing each of the four classes.

Engineering Societies. Outstanding students majoring in engineering courses are selected for membership in the Student Chapter of the American Institute of Electrical Engineers, American Society of Mechanical Engineers, American Society of Civil Engineers and the American Society of Agricultural Engineers.

Music Activities. The Clemson College Glee Club is composed of approximately sixty students under the musical leadership of the Director of Music. The organization performs the best in choral literature and makes appearances at various student functions on the campus. Students interested in the organization may become members by satisfactorily completing a simple audition. Previous experience and the ability to read music are not required.

In the spring of each year, the Glee Club makes a short tour of nearby institutions. Another highlight of the year is the participation by the Glee Club in a three hundred voice mixed choir of South Carolina College students in a performance with

the Southern Symphony Orchestra. This concert is given annually in Township Auditorium, Columbia, South Carolina.

The Senior Platoon. The Senior Platoon is a Fancy Drill unit composed of cadet officers of the Senior class. This Platoon was activated in 1931 for the purpose of increasing proficiency and developing pride among the cadet officers. Frequent exhibitions of fancy drill are given by this Platoon at football games and other celebrations and ceremonies.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Y. M. C. A. partakes of the nature of a small city Y. M. C. A. While it is recognized as a student association, the tremendous volume of community service undertaken in the building might easily qualify it as a community building. The Athletic Association has granted permission for the Y. M. C. A. to sponsor basketball and volley ball games in the Field House. Hundreds of basketball and volley ball games are participated in by students, Faculty, Campus children, and visitors from neighboring communities. Saturday morning games are sponsored for children of the community. A picture program is provided for boys and girls of the community as well as students and the swimming pool is available during the winter and summer months for campus children and visitors such as scout groups, 4-H groups, FFA and others. Social functions sponsored by the Y. M. C. A., or with the Y. M. C. A. cooperating, and Open House programs are almost daily occurrences in the club rooms, scout rooms, and cabinet rooms. It is here that many visiting groups are entertained with, and for, students and campus organizations. Evening Watch prayer group, forum groups, freshmen, sophomore, junior, and senior councils all cooperate with, and under, the leadership of the Y. M. C. A. senior cabinet to make possible a real spiritual and mental development in the lives of all the students. Sixty-two faculty members and others visited with students in their evening watch or forum meetings in barracks last year and many student leaders took part in these meetings.

The Y. M. C. A. has supervision of voluntary religious activities of the students and endeavors to contribute to the religious, social, and physical life of the college community.

There are two Vesper services in the Y. M. C. A. auditorium each Sunday. Usually 400 or more attend the afternoon Vesper and often 550 or 600 attend the evening Vesper. Outstanding speakers and many visiting deputation groups are supplemented by local speakers, ministers, and campus leaders. Many educational, news, and travel reels are shown for the students over the weekend. In recent years a number of outstanding speakers have returned to the campus. Included in this group have been many graduates of Clemson who have achieved distinction in the field of education, religion, industry, science, and agriculture.

The college swimming pool at Clemson is located in the Y. M. C. A. Swimming classes, life saving, and instructor's courses are given. Members of the freshman and varsity swimming teams train here and many company swimming meets are scheduled. The pool is heated throughout the winter months and it is filtered and chlorinated with electric equipment.

Intramural athletics are encouraged and sponsored by the Physical Education Department and the Y. M. C. A. All of the companies with military organization and athletic officers have teams in such sports as basketball, volleyball, swimming, baseball, and soccer. These competitive games receive hearty support from many students and afford an opportunity for active participation. Practically all of the students at Clemson participate in some form of recreation or an intramural sport. Quite a number take part in many intramural sports. Participation is voluntary, but the majority of the students take advantage of this opportunity for wholesome recreation and physical direction. A director and trained student leaders are provided by the YMCA and these cooperate with A & R officers and with interested veterans.

ATHLETICS

It is the policy of the College to sanction and encourage athletics so long as participation does not interfere with studies and other duties. Football, baseball, basketball, and track are the most popular sports.

The College is a member of the Southern Conference and of the South Carolina Inter-collegiate Athletic Association. In

order to participate in inter-collegiate athletics, the student must meet the requirements of the Southern Conference as well as the requirements of the College.

No member of an athletic team is eligible for a managerial position in any other branch of sport.

No team is allowed to leave the College grounds to participate in any match game unless accompanied by the authorized coach or other member of the faculty, who shall be responsible to the College for the conduct of the players while away.

No student is eligible to participate in an inter-collegiate contest who is away from the College without proper authority or without having complied with all the rules or orders issued by the President regarding such matters.

HONORS AND AWARDS

Trustees' Medal. The Board of Trustees has provided for a gold medal to be awarded annually at Commencement to the best speaker in the student body.

The medal was awarded in 1950 to William Elliott Darby of Fort Motte, South Carolina.

Norris Medal. The following is from the will of the Hon. D. K. Norris, a life trustee of Clemson, who died in 1905:

"I give \$500 face value, Norris Cotton Mill stock . . . on condition the dividend thereon shall be applied annually to the purchase of a gold medal, to be known as the 'Norris Medal', to be awarded to the student of Clemson meriting the same at graduation, under such rules and conditions as may be prescribed by the said Board of Trustees, and which medal shall have engraved on it 'Honor habet onus' (Honor brings responsibility)."

In 1950 this medal was awarded to Robert Walter Berry of Atlanta, Georgia.

R. W. Simpson Medal. A medal designated as the "R. W. Simpson Medal" is awarded annually to the best drilled cadet in the freshman, sophomore or junior class.

In 1950 the medal was awarded to Coy Jefferson Gray of Anderson, South Carolina.

Arnold R. Boyd English Honor Key. Arnold R. Boyd, '14, now a lawyer in New York, donates this Honor Key annually to the student in the graduating class who makes the best record in English during his college course.

In 1950 this award was given to Robert Franklin Rayle of Eastover, South Carolina.

Architect's Medal. The South Carolina Chapter of the American Institute of Architects each year awards a medal to the outstanding junior or senior in Architecture.

In 1950 the medal was awarded to Richard Irwin Wilkins of Florence, South Carolina.

Agricultural Certificates of Merit. Beginning with the session of 1914-1915 certificates of merit have at times been awarded to farmers in South Carolina who have rendered distinguished service in the agricultural development of the State.

National Association of Cotton Manufacturers Medal. For several years this medal has been awarded to the outstanding graduate in Textile Engineering, both in February and in June.

In 1950 these awards were given to Jasper Willis Hastings of Chester, South Carolina, and Herman Ernest Bright of Radford, Virginia.

Textron Scholarship. A cash award of \$500 to assist in covering school expenses during the senior year of an outstanding student in the School of Textiles. The Textron Scholarship is awarded to a textile student selected by the Dean and faculty of the School of Textiles on the basis of high academic achievement and outstanding leadership qualifications for future application in the American textile industry.

The Scholarship was awarded to Walter Lee Thompson of Honea Path, South Carolina, for the 1950-1951 session.

The American Association of Textile Chemists and Colorists Award. This award for the best work done in Textile Chemistry and Dyeing by a member of the graduating class was given in 1950 to Thomas LaVerne Howle, Jr. of Florence, South Carolina.

Armed Forces Communications Association Medal. The Armed Forces Communications Association of Washington, D. C., sponsors annually an award to the outstanding student taking military training with communications or electronics as the major course.

The Society of American Military Engineers Medal. The Society of American Military Engineers of Washington, D. C., sponsors annually an award to the outstanding cadet in the Corps of Engineers Advanced ROTC.

In 1950 this medal was awarded to Walter Coker Moorman of Florence, South Carolina.

Phi Psi Award. This award is made by the National Honor Council of the Phi Psi Textile Fraternity to the textile graduate who has attained the highest scholastic record in textile courses.

In 1950 this award was given to Jasper Willis Hastings of Chester, South Carolina.

Anderson Fellowship. This fellowship, providing the sum of \$400 annually for pursuing graduate study in agriculture, was awarded in 1950 to James Keith Price of Gaffney, South Carolina.

Quartermaster Association Annual Awards. The Quartermaster Association, Washington, D. C., sponsors annual awards to the outstanding First Year Advanced Quartermaster Cadet and to the outstanding Second Year Advanced Quartermaster Cadet. The outstanding First Year Advanced Quartermaster Cadet re-

ceives a medal of appropriate design upon which is superimposed the insignia of the Quartermaster Association. The outstanding Second Year Advanced Quartermaster Cadet will be presented a scholastic key of similar design.

Candidates for the awards will be selected by the Professor of Military Science and Tactics and the Quartermaster ROTC Instructor.

In 1950 the outstanding cadet in Quartermaster First Year Advanced ROTC was Bobby Fletcher Deas of Rock Hill, South Carolina.

In 1950 the outstanding cadet in Quartermaster Second Year Advanced ROTC was William Charles Hood of Easley, South Carolina.

Ordnance Association Annual Award. The Ordnance Association, Washington, D. C., sponsors annually an award to the outstanding Second Year Advanced Ordnance Cadet. This cadet will be selected by the Professor of Military Science and the Ordnance ROTC Instructor.

In 1950 the outstanding cadet in Ordnance Second Year Advanced ROTC was Julian Creed Hammond of Aiken, South Carolina.

James Lynah Merit Awards. Income from a fund established by Mr. James Lynah in memory of distinguished professors who were teaching at Clemson when the members of the Class of 1902 were undergraduates shall be used to grant prizes. A sum of money not to exceed the income shall be allotted equally to five young men out of each graduating class who in the opinion of the faculty meet the specific requirements.

The 1950 recipients of \$100 each were: The Mark Bernard Hardin prize in Chemistry to Robert Walter Berry of Atlanta, Georgia. The Charles Manning Furman prize in English to Robert Franklin Rayle of Eastover, South Carolina.

The William Shannon Morrison prize in History to Thomas Daniel Donegan of New York, New York. The Walter Merritt

Riggs prize in Electrical Engineering to Neil Anthony Montone of Westminster, South Carolina. The Augustus G. Shanklin prize in Military Science and Tactics to Albert Henry Peters, Jr., of Summerville, South Carolina.

Class of 1902 Awards. In recognition of the distinguished teaching services of three professors who were on the College faculty at the time the Class of 1902 was at Clemson, and in memory of those of the class who have passed on, the members of the Class of 1902 have deposited with the Clemson College Foundation the three following funds of \$2,000 each, the income from these funds to be awarded annually.

The Williston Wightman Klugh award to a worthy, earnest undergraduate student of good moral code and personality who intends to make teaching his life work, selection to be made by the College.

The Rudolph Edward Lee award, to a worthy undergraduate student in Architecture, selected upon the recommendation of the faculty of the Department of Architecture after consideration of the student's grades, extracurricular activities, and those qualities that go toward making a successful professional architect.

The Samuel Maner Martin award, to a worthy undergraduate student taking mathematics as a major subject, selection to be made by the College.

Sears-Roebuck Award. An award of \$200 is given to the Sophomore who makes the highest scholastic average as a Freshman Sears-Roebuck Scholar.

In 1950 this award was given to Robert William Duke, Jr. of Kingstree, South Carolina.

The Borden Agricultural Scholarship. The Borden Company Foundation awards annually the sum of \$300 to the eligible Senior achieving the highest average grade on all college work preceding the Senior year. To be eligible for this award, the student must have included in his curricula two or more Dairy subjects.

In 1950 this award was given to Winston Hall Sibley of Greenville, South Carolina.

Alpha Zeta Award. An annual award given to the sophomore in agriculture having the highest grade point ratio for the first three semesters.

In 1950 this award was given to Leonard Ray Allen of King's Creek, South Carolina.

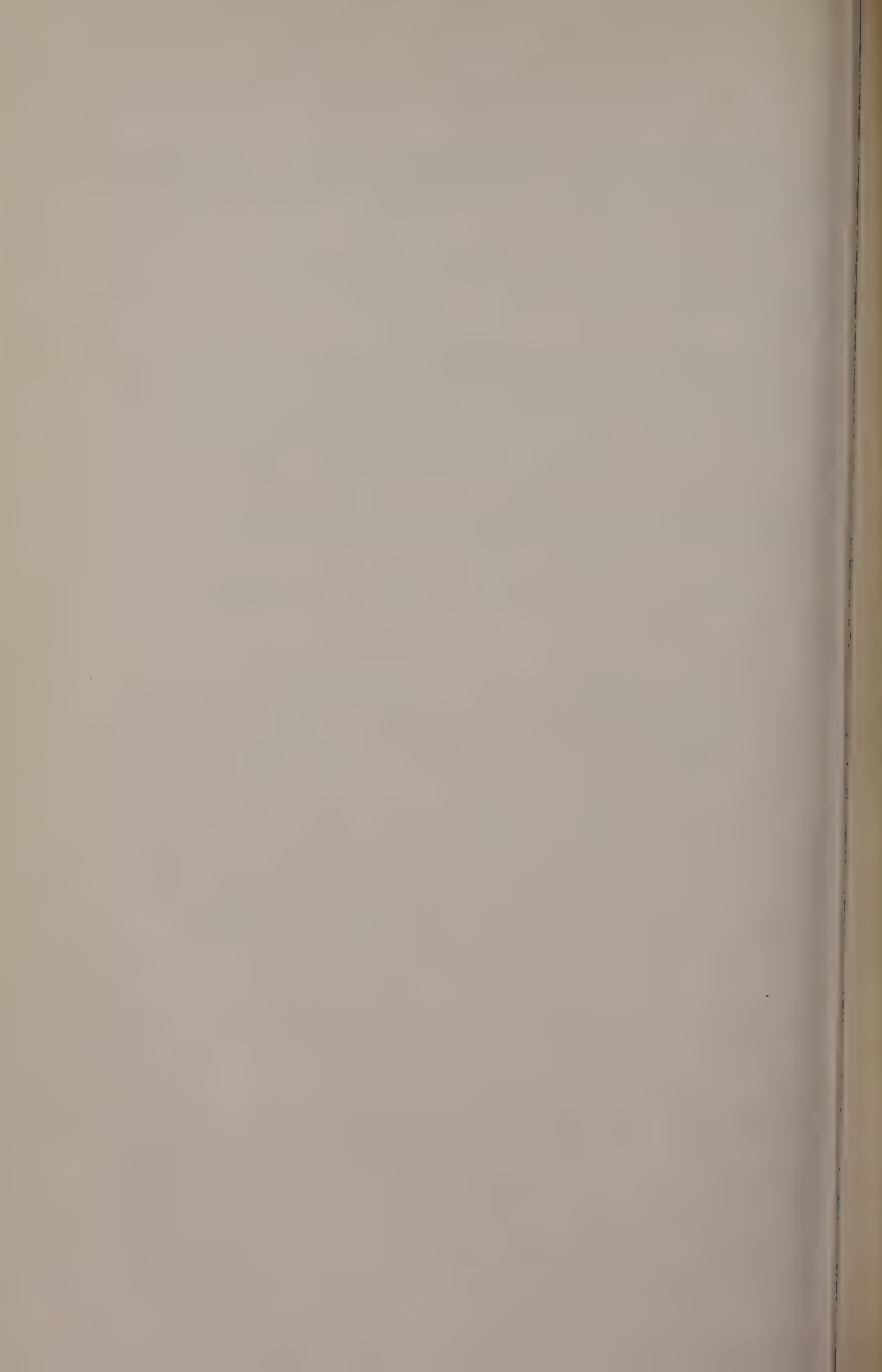
The Clark Lindsay McCaslan Award. The sum of \$1,000 has been deposited with the College to establish a fund in memory of Clark Lindsay McCaslan, a graduate of Clemson College in the class of 1908, and a pioneer in Agricultural Engineering. The income from the fund shall be given annually to the student in the Department of Agricultural Engineering who, in the opinion of the faculty, shall be deemed to be the most deserving.

In 1950 this award was given to Carl Henry Thomas of Holly Hill, South Carolina.

Danforth Fellowships. The Danforth Foundation of St. Louis awards fellowships each year to two agricultural students. One of these is given to an outstanding member of the Junior Class majoring in either Dairying, Animal Husbandry or Poultry Husbandry. The award amounts to \$180 and provides expenses incident to the attendance of the recipient at a two-weeks summer short course for training in salesmanship at the laboratories of the Ralston Purina Company in St. Louis and also for a two-weeks stay at the American Youth Foundation Leadership Training Camp at Shelby, Michigan.

The fellowship for 1950 was awarded to Winston Hall Sibley of Greenville, South Carolina, junior in Animal Husbandry.

The second Danforth fellowship amounting to \$50 is awarded to an outstanding freshman expecting to major in the animal science field. It provides for a two-weeks stay at the Leadership Camp at Shelby, Michigan—the same camp to which the recipient of the Junior award goes. This award for 1950 was received by Robert Edward Farmer, Jr. of Newport, Tennessee, sophomore in Pre-Forestry.



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PART IV

Organization And Government

PART IV—ORGANIZATION AND GOVERNMENT

ADMINISTRATIVE ORGANIZATION

Board of Trustees. The government of the College is vested in a Board of thirteen members, six of whom are elected by the Legislature, and seven life and self-perpetuating under the Clemson will. The function of this Board is legislative and not executive. The Board determines the general policy of the College, makes the laws for its government, and directs the expenditure of its funds.

The President is the chief executive and administrative officer appointed by the Board of Trustees. He is the head of the College and is responsible for its satisfactory working and success.

The College is divided into schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles. A dean is at the head of each school and is responsible to the President for its conduct and success. The schools are comprised of departments. Each department is in charge of a professor who acts as its head. The President conducts all official business with each department through its dean.

The Faculty consists of all officers of instruction in the College. The voting members are the deans, professors, associate professors, and assistant professors.

The faculty meets once a month, or whenever called by the President, and is an advisory body to the President, on the instructional work of the College and such other business as he may bring before it.

The deans and directors of the various schools and departments meet weekly or when called by the President for consideration of matters affecting the welfare of the College. Departmental faculty meetings are held periodically.

Faculty Committees. In order to aid him in his executive duties and to carry on the instructional work of the College,

the President appoints committees from the faculty. To these are assigned certain specified lines of work and the committees are clothed with full authority.

MILITARY ORGANIZATION

The President. The President of the College shall have general command and government of the institution, watching over its administration, discipline, and instruction. He shall have authority to make rules from time to time, governing the granting of permits and furloughs to cadets; to inspect anything in a cadet's room or personal baggage; to suspend or modify these regulations, or to publish special regulations when he considers it necessary, which shall have the authority of the Board of Trustees until they shall act on the same. He shall prescribe the hours of study, drill, and recreation.

Commandant. The Commandant of Cadets, under the President, has supervision of the military administration and discipline of the Clemson Cadet Corps. He shall prescribe the order in which the furniture, bedding, books, clothing, and other equipment shall be arranged throughout the barracks and shall make an inspection of the rooms, furniture, arms, equipment and uniforms of the cadets at least once each week. He shall have the right to inspect anything in a student's room or personal baggage. He shall perform such other duties as are prescribed in the cadet regulations and other official orders of the institutional authorities. The Commandant shall be the officer assigned to the college by the Department of the Army as Professor of Military Science and Tactics (PMS&T).

Assistant Commandants. All Army and Air Force officers assigned to the college by their respective departments will be Assistant Commandants. They will perform such duties as may be prescribed for them by the President or Commandant.

Military Instruction. All students, excepting such students as are excused by the President, must take a minimum of three hours military instruction (drill and inspection) per week until they become seniors. All who pass the required physical examina-

tion must take the Basic ROTC course during their first two years of residence. Currently, students who are veterans of World War II are excused from Basic ROTC and activities of the Cadet Corps unless they enter the Advanced ROTC.

Cadet Officers and Non-commissioned Officers. The cadet officers and cadet non-commissioned officers are appointed by the Commandant, subject to the approval of the President. When practicable they shall be appointed from members of the ROTC who have been most studious and soldier-like in the performance of their duties and most exemplary in their conduct. No cadet may decline any office to which he may be appointed.

As a rule the cadet officers shall be appointed from the senior class; the cadet non-commissioned officers, except corporals, from the junior class; and the corporals from the sophomore class.

Study Hours. Study hours are those parts of the day which are designated for study and shall be prescribed in orders. All hours at which a student has no classes or other duties may be used as study hours and students are expected to use vacant hours during the day as well as the assigned period after supper for study.

Furloughs. Every cadet is responsible for his class absences whether he is on a furlough or at the College. Restrictions regarding class absences are explained in the class attendance regulations. Any cadet who has been granted a furlough and who stays over the time stipulated, unless for sickness or other reason acceptable to the Commandant, will be administered a punishment not to exceed one month's arrest and twenty demerits. In case a cadet is prevented by sickness from returning at the stipulated time, he must submit a certificate from his attending physician. However, no such certificate will be accepted unless the President or the Commandant has been notified in advance of the expiration of the furlough.

Cadets returning late on furlough are placed in room arrest pending an investigation of the reason of the late return.

All communications from parents requesting furloughs for their sons must be addressed or sent directly to "The Commandant," and must set forth fully the reason for the request. No furlough will be granted unless the reasons given are considered satisfactory and sufficient justification for any loss of time from college duties. Every student is held responsible for his class absences in accordance with the provisions of the class attendance regulations. Telegrams which do not explain fully will not be accepted as complying with the rules. In any case in which business is given as a reason, the nature of the business must be explained fully.

A parent has the right to demand a discharge from College at any time and for any reason, but the College authorities reserve the right to grant or refuse furloughs.

Week-End Leaves. Week-end leaves will be granted under conditions prescribed by the President.

Demerits. Any regular cadet who may receive within any one semester more than 90 demerits during his freshman year, or more than 70 demerits during his sophomore year, or more than 60 demerits during his junior year, or more than 50 demerits during his senior year; or any day cadet who may receive within any one semester more than 80 demerits during his freshman year, or more than 60 demerits during his sophomore year, or more than 50 demerits during his junior year, or more than 40 demerits during his senior year shall be required, by the President, to withdraw immediately from College.

Discharge. No cadet unless twenty-one years of age and paying his own way at college shall be honorably discharged except on the written application of his parents or guardian addressed to the President, or for reasons satisfactory to the President.

SCHOLASTIC REGULATIONS

Credits. The semester hour shall be the basis of all credits. One recitation hour or three laboratory or shop hours a week constitute a semester hour. The standing of a student in his work at the end of a semester shall be based on daily class

work, tests or other work, and the final examinations. Written examinations shall be required in all subjects at the end of each semester, except in certain laboratory or practical courses where not deemed necessary by the department faculty. A semester grade once reported to the Registrar shall be the final grade for the period covered.

Grading System. The grading system is as follows:

A—Excellent. Indicates that the student is doing work of a very high character. The highest grade given.

B—Good. Indicates work that is satisfactory, though not of the highest order.

C—Fair. Indicates work of average or medium character.

D—Pass. Indicates work below average and unsatisfactory. The lowest passing grade. For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required.

E—Conditioned. Indicates a failure to satisfy the requirements as to daily recitations, tests or other work, as well as to the final examination, which condition in the opinion of the instructor may be made up by re-examination at some fixed time.

F—Failed. Indicates that a student knows so little of the subject that it must be repeated in order that credit may be received.

I—Incomplete Work. Indicates that a relatively small part of the semester's work remains undone. A Grade I is not to be given a student who has made a grade F on his daily work.

I—Abs. Ex. Indicates absence from examination on account of sickness or other satisfactory reason.

WP—Withdrew Passing. This grade indicates that the student withdrew from the course while doing satisfactory work. The credit hours of a subject on which the grade of WP is received are counted as credits taken in computing the student's grade point ratio.

WF—Withdrew Failing. Indicates that the student withdrew from the course while doing unsatisfactory work. The credit hours of a subject on which the grade of WF is received are counted as credits taken in computing the student's grade point ratio.

Reports and Grades. Semester reports are mailed to parents after the end of each semester (usually within two or three weeks.) Mid-semester reports do not form a part of the permanent record in the Registrar's Office, but are sent to parents for their information.

Grade Points. Nine grade points are assigned for each credit hour on which the student receives the grade of A; six grade points for each credit hour of grade B; and three for each credit hour of grade C. No grade points are assigned for grades D, E, or F. In calculating a student's grade point ratio, the total number of grade points accumulated by the student is divided by the total number of credit hours taken by the student during the semester, session, or other period for which the ratio is calculated.

Dropping Class Work. A subject dropped after the first four weeks of class work is recorded as "Withdrew Passing" or "Withdrew Failing" depending upon the student's grade in the course at the time the subject was dropped.

Upon the recommendation of the instructor and the dean concerned, a student's standing will be investigated and he may be required to drop a subject because of neglect, or lack of application or preparation. No student will be dropped under this rule without approval by the President.

Removal of Grade I. All incomplete grades (I's) for a semester not removed within thirty days after the beginning of the next semester shall become F's unless an extension of time is approved by the instructor concerned and the Registrar.

A student who, for reasons satisfactory to the faculty, is absent from any examinations will be graded I-Abs. Exam. and will be allowed to make up these examinations at such time as is designated for this purpose.

Academic Standards. Proper discharge of all duties is required at Clemson College, and a student's first duty is his scholastic work. All students should be thoroughly acquainted with and cognizant of these basic requirements.

Minimum Requirements to Continue Enrollment. To be eligible to enroll the next session, a student in his first year of attendance in college must pass a minimum of twenty-four semester credit hours of work. Work passed in the summer term may be included in this minimum total.

A student in his second or any later year of attendance in college, to be eligible to continue his enrollment, must pass either, (1) a minimum of twenty-four semester credit hours of work in the two semesters of the regular session, or (2) a minimum of thirty semester credit hours of work in the two semesters of the regular session and the summer term.

In the cases of upperclassmen failing to pass thirty semester credit hours of work in two regular sessions and the summer term, exception may be made for those students whose cumulative grade point ratio, computed up to date to the nearest whole number, added to the number of hours passed will total thirty. For example, if a student passes twenty-seven hours, and his grade point ratio is three, the two added together will total thirty, and he will be eligible to enroll for the next session. The above requirements will be prorated for students entering in February.

The attention of students is directed to the fact that the freshman requirements apply to first year college students, and the more rigid requirements apply to college students in their second or later years, regardless of whether or not the student's attendance has been at Clemson or at some other institution. The student's classification does not enter into these regulations. The required minimum totals shall be exclusive of courses graded E and exclusive of courses graded I unless there are extenuating circumstances for the I.

The summer term referred to above is interpreted to mean the Clemson College Summer Term unless the student has special approval by the Committee on Admissions and the Committee on

Transfer Credits to pursue a summer program at some other institution in an effort to redeem his academic standing at Clemson.

Class Attendance Regulations. The class attendance regulations are as follows:

1. A student's first duty in college is his class work. Except for special reasons, a student is expected to be in every class on schedule. However, the college recognizes several justifiable reasons for class absences and authorizes absences in such instances. In addition, restricted provision is made for personal emergencies. *Rigid penalties are provided for the abuse of these regulations.*

2. Absence from class for any of the following reasons will be recorded as authorized, provided the absence *is approved in advance* by the Class Attendance Officer. The Class Attendance Officer will approve class absences only when the required action as shown opposite the reason below has been taken. *Except in cases of extreme personal emergency, students who absent themselves from class prior to authorized permission, will have their absences recorded as unauthorized, even though otherwise authorized.*

<i>Reason</i>	<i>Required Action for Approval of Absence</i>
a. Sickness	Absence certified by the College Surgeon on the hospital report or by another doctor and endorsed by the College Surgeon.
b. Guard Duty	Absence certified by the Commandant.
c. Official representation in intercollegiate athletic events	Absence certified by the Head Coach.

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|--|--|
| d. Educational Trips | Absence certified by the Dean of the school concerned. |
| e. Participation in other activities considered to be official and authorized by the Deans and Directors | Absence certified by the faculty sponsor of the activity. |
| f. Personal emergencies of a serious nature such as death or serious illness in the family | Approved by the Commandant for Cadets or by the Class Attendance Officer for Non-Cadet students. |

3. The Commandant or a member of his staff designated by him shall act as Class Attendance Officer. All absences, authorized and unauthorized, will be recorded by the Class Attendance Officer. Absence from class for any reason, except those approved in advance by the Class Attendance Officer or those excused because of conditions of extreme personal emergency, will be recorded as unauthorized. It will be the responsibility of the student to report to the Class Attendance Officer immediately for explanation of those cases when the student absents himself from class under conditions of extreme personal emergency not authorized in advance. Otherwise, such absences will be presumed to be unauthorized and will be so recorded.

4. Absentee reports will be submitted daily, on the form provided, to the Class Attendance Officer by each instructor through his Dean. All absences, authorized and unauthorized, will be reported. It will be the instructor's responsibility to determine whether or not a student is absent or late.

5. Students shall not request instructors to excuse them from class or to change class periods or examinations. Instructors have no authority to grant such requests.

6. All class work missed on account of authorized absences shall be made up to the satisfaction of the instructor concerned. Instructors will not be obligated to permit a student to make up any work missed during unauthorized absences. If the unauthorized absence is from a previously announced quiz or examination, the student will not be permitted to make up that work and will be given a grade of zero for that assignment.

7. To provide for personal emergencies, *Freshmen and students enrolled in 100 series courses* will not be penalized for two

unexcused absences per semester in each subject of three credit hours or more, and one in the case of subjects of less than three credit hours. *For any additional unauthorized absences, such students will be dropped from the subject concerned by the Class Attendance Officer.* Absences from non-credit courses will be treated as absences from credit courses of a like number of hours. Any freshman who is absent from more than the equivalent of four week's work, whether the absences are excused or unexcused, will be dropped from the subject unless his continuance is authorized by his Dean within one week after notification.

8. In the event that a student classified as *Sophomore or higher is absent*, including both authorized and unauthorized absences, *from the equivalent of three weeks' work in a course during a regular semester or one and a half in a Summer Session, the Dean of the School in which the student is majoring shall be notified by the Class Attendance Officer that such student is being dropped from the course concerned.* If it is felt by the Dean that such action is undesirable, he shall notify the Class Attendance Officer to that effect within one week; otherwise the drop will remain in effect.

9. *Any student who, by being dropped from one or more subjects on account of excessive absences, reduces his credit hour load below twelve semester credits, shall be suspended from college for at least the remainder of that semester.* A student whose class attendance record is generally unsatisfactory may be required to withdraw from college at any time.

10. All students will keep their own records of class absences. *No routine notices of accumulated absences or warning letters will be sent out or posted by the Class Attendance Officer.* The College reserves the right to notify students' parents of unsatisfactory class attendance.

11. *All students must turn in a completed class schedule on the prescribed form to the Commandant's Office at registration.* All changes to this schedule must be reported promptly to the Class Attendance Officer.

12. Students who are absent from the campus because of sickness will report to the Class Attendance Officer at once upon their return to school in order that their attendance record may be verified and brought up to date.

Promotion and Classification. Effective in September, 1947, and so long as the institution reclassifies students every semester, the following new classification rules will apply:

A. To be classified as a senior, a student must have completed sufficient scholastic work toward his degree to enable him to complete the requirements for graduation by completing not more than 42 additional credits. To be classified as a senior, a student must also have earned twice as many grade points as the minimum number of credit hours required in his case for senior classification.

B. To be classified as a junior, a student must have completed at least 64 semester credit hours and must have earned at least 128 grade points.

C. To be classified as a sophomore, a student must have completed at least 30 semester credit hours.

D. All new students are classified as freshmen unless they have attended another college prior to entrance and have completed sufficient scholastic work as to enable them to complete the requirements for graduation from Clemson in not more than three regular sessions.

E. *Requirements for Graduation.* For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. All work must be completed before 5 p. m. on the Thursday preceding Commencement. Residence of at least one regular session shall be required for graduation.

F. *Seniors Failing to Graduate.* A senior who fails to graduate because of one F on a subject or one or more grades of E or I shall have an opportunity of removing the unsatisfactory grades by examination after commencement provided that he can furnish evidence of having done satisfactory study. A senior who qualifies for graduation under this regulation will be awarded his degree on the next regular date for the award of degrees.

Removal of Conditions. Only one opportunity shall be given a student to remove a condition (E) by a re-examination. A student who fails to pass such a re-examination shall be re-

quired to repeat the subject hour for hour in class. Not more than twelve credit hours of conditions for a session shall be removed by re-examination. A student shall not receive a grade higher than D when a deficiency is removed by re-examination.

Re-examinations shall be held as scheduled by the schedule committee. All conditions (E's) not removed during the time set aside for re-examinations shall become failures.

Removal of Failures. A student who has failed (made a grade F) in a subject cannot receive credit for that subject until it has been satisfactorily repeated hour for hour in class, except that in the case of correlated laboratory work, the number of hours to be taken shall be determined by the instructor. Where separate grades for class and laboratory work are given, that part of the subject shall be repeated in which the failure occurs.

Special Examinations. Any request for a special examination must be approved by (1) the instructor concerned, (2) the head of the department concerned, (3) the dean of the school, and (4) the registrar.

Maximum Credit Load. The normal schedule for a student includes only as many credit hours as are required for the class and course in which he is registered. Students should schedule this amount of work unless their credits are restricted as a result of a poor scholastic record. Students are advised not to exceed the normal schedule except upon approval by the class adviser.

The number of credits which a student may schedule during either semester of the session is governed by his grade point ratio—the most recently calculated cumulative or semester ratio, whichever is higher: Until such time as a grade point ratio is available, a freshman is restricted to the requirements of his course or to 20 semester hours, whichever is higher.

Grade Point Ratio Required	Maximum Credit Hours Which May Be Scheduled
0.00 to 0.99 -----	18
1.00 to 1.99 -----	19
2.00 to 2.99 -----	20
3.00 to 3.99 -----	21
4.00 to 4.99 -----	22
5.00 to 5.99 -----	23
6.00 to 6.99 -----	24
7.00 to 7.99 -----	25
8.00 or above -----	26

If any student schedules excessive credits, he will be automatically dropped from a sufficient number of subjects to reduce his total credits within the limits. If for any reason a student's excessive registration continues throughout the semester, his credit on one or more subjects passed will be cancelled at the end of the semester.

**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART V

Degrees and Curricula

PART V—DEGREES AND CURRICULA

BACHELORS' DEGREES

The degree of Bachelor of Science is awarded to those students who satisfactorily complete one of the four-year curricula offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Textiles, and to those students who complete the four-year course in Architecture or Architectural Engineering under the School of Engineering. The five-year course in Architecture leads to the Bachelor of Architecture degree. The degrees of Bachelor of Ceramic Engineering, Bachelor of Chemical Engineering, Bachelor of Civil Engineering, Bachelor of Electrical Engineering, and Bachelor of Mechanical Engineering are awarded to the graduates of these respective four-year courses.

The total semester credit hours required for graduation amount to 150 in each of the regular four-year curricula. These credits include the prescribed subjects in each curriculum and an appropriate number of approved electives or technical electives as outlined in the regular four-year curricula.

For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. Nine grade points are assigned for each credit hour on which the student receives the grade of *A*; six grade points for each credit hour of grade *B*; and three for each credit hour of grade *C*. No grade points are assigned for grades *D*, *E*, or *F*. Candidates for the degrees listed above are required to apply for their degrees at least two months prior to the date the degrees are to be awarded. These applications should be filled out in the Registrar's Office on the regular blanks provided.

All work for a degree must be completed by 5 p. m. on the Thursday preceding graduating exercises. Residence of at least one regular session is required for graduation. Every candidate for a degree must pay to the Treasurer of the College the cost of his diploma before the time the diploma order is placed.

If all work toward a degree is not completed within five years after entrance, the student may be required to take additional courses.

GRADUATE DEGREES

The degree of Master of Science is awarded to those students who satisfactorily complete a prescribed graduate program of work consisting of a minimum of 30 semester credit hours in the student's field of concentration. Of the 30 semester credit hours required 6 must be for research and at least 12 must come from the courses which are designed exclusively for graduate students.

For further information concerning advanced degrees see *The Graduate Bulletin* which may be obtained from the Office of the Registrar.

PROFESSIONAL DEGREES

The College offers the following professional engineering degrees: Civil Engineer, Electrical Engineer and Mechanical Engineer.

The requirements for these degrees are: (a) a Bachelor's degree from Clemson College in one of these three branches in engineering, (b) five years of subsequent professional experience, one year of which must have been in responsible charge of engineering or engineering instruction, (c) the preparation of a thesis demonstrating distinct technical ability. (Detailed information regarding professional degrees may be obtained from the Registrar.)

CURRICULA

Twenty-eight undergraduate curricula are offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education,

Engineering, and Textiles, The curricula under each school are listed below:

SCHOOL OF AGRICULTURE

Agricultural Economics
Agricultural Engineering
Agronomy
Animal Husbandry
Botany
Dairy
Entomology
Horticulture
Poultry
Pre-Forestry
Pre-Veterinary

SCHOOL OF ARTS AND SCIENCES

Arts and Sciences
Industrial Physics
Pre-Medicine

SCHOOL OF CHEMISTRY

Chemistry

SCHOOL OF EDUCATION

Education
Industrial Education
Vocational Agricultural Education

SCHOOL OF ENGINEERING

Architecture
Architectural Engineering
Ceramic Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Mechanical Engineering

SCHOOL OF TEXTILES

Textile Chemistry
Textile Engineering
Textile Manufacturing

While the College is glad to assist all who ask for help in securing employment, it does not guarantee positions to those who complete any of the courses of study.

In the curricula which follow are given the official title and number of the course, the descriptive title, the number of semester hours credit, and in parentheses the number of hours per week in class and laboratory, respectively.

SCHOOL OF AGRICULTURE

Organized under the School of Agriculture are nine curricula, including Agricultural Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Botany, Dairying, Entomology, Horticulture, and Poultry. In general, the work of agricultural graduates may be classified in six rather broad fields: Farming, both general and specialized; agricultural extension

service, including county agent work and extension specialists; research, especially work with the agricultural experiment stations; government regulatory work, such as plant inspection with the U. S. Bureau of Entomology and Plant Quarantine; teaching in college after appropriate graduate work is completed; and a host of occupations with commercial concerns, such as seed companies, meat packers, fertilizer companies, florists, canneries, agricultural implement concerns, etc. To illustrate the types of work in which graduates of each curriculum engage, a few of the many occupations of agricultural graduates are given below.

AGRICULTURE

Basic Curriculum

Required of all agricultural students except those in Agricultural Engineering, Pre-Forestry, and Pre-Veterinary.

FRESHMAN YEAR

First Semester

A H 101 Types and Breeds.....	2 (2,0)
A H 103 Types and Breeds Lab.....	1 (0,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 101 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Agron 101 Farm Crops.....	3 (3,0)
Chem 102 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3 (3,0)
Ag En 201 Farm Machinery.....	3 (2,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
For 205, 207 Farm Forestry.....	3 (2,3)
or Geol 201 Agric. Geology.....	3 (3,0)
Hort 201 Gen. Horticulture.....	3 (2,3)
Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

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Agron 202 Soils.....	3 (2,3)
*Chem 220 Organic Chemistry.....	4 (3,3)
Dairy 201 Dairying.....	3 (2,3)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

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*Agricultural Economics majors may substitute Math 104 for Chem 220.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

Training in Agricultural Economics and Rural Sociology prepares students wholly or in part for farming; managing farms; appraising land, marketing activities; supervising agricultural loan departments in private banks; directing farmer cooperatives such as the production credit and farm loan associations affiliated with the Farm Credit Administration; educational work as teachers or extension workers; public relations research and sales work for the manufacturers of agricultural implements, fertilizers, etc.; organizational and publicity work for farm organizations and cooperative associations; positions in state, county and local government service; research work in farm management, farm credit, taxation, marketing, farm population and rural life trends; farm planning work for the Soil Conservation Service; and for operating numerous enterprises where a knowledge of economic principles is an essential supplement to knowledge of the technical requirements of the business.

AGRICULTURAL ECONOMICS MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Ag Ec 305 Farm Accounting.....	2 (1,3)	Ag Ec 302 Farm Management.....	4 (3,3)
Ag Ec 309 Marketing.....	3 (2,3)	Ag Ec 352 Public Finance.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
Hist 301 U. S. since 1865.....	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
R S 301 Rural Sociology.....	3 (3,0)	P H 303 Farm Poul. Lab.....	1 (0,3)
M S 301 Military Drill.....	0 (0,3)	M S 302 Military Drill.....	0 (0,3)
Approved Electives	5	Approved Electives	4
	19		18
Suggested Electives:		Suggested Electives:	
Bact 301 Gen. Bacteriology.....	3 (3,0)	Ag Ec 356 Agri. Ind. Rel.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Dairy 352 Advertising & Mktg.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)	Ent 301 Elem. & Econ. Ent.....	3 (2,3)
Y M 305 Cotton Marketing.....	1 (0,3)	M S M. S. & T.—Adv.....	3 (4,0)

SENIOR YEAR

Ag Ec 401 Statistics.....	4 (3,3)	Ag Ec 406 Seminar.....	1 (1,0)
Ag Ec 405 Seminar.....	1 (1,0)	Ag Ec 452 Agric. Policy.....	3 (3,0)
Ag Ec 451 Econ. of Coop.....	3 (3,0)	Ag Ec 456 Prices.....	3 (3,0)
or Ag Ec 460 Agric. Finance.....	3 (3,0)	or Ag Ec 455 Internat. Trade.....	3 (3,0)
Dairy 301 Genetics.....	3 (2,3)	Ag En 301 Soil Conservation.....	3 (2,3)
Psych 301 Gen. Psychology.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives	6	Approved Electives	6
20		19	
Suggested Electives:			
Gov 43 Internat. Relat.....	2 (2,0)	Econ 302 Money and Banking.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)	M S M. S. & T.—Adv.....	3 (4,0)
R S 459 The Rural Community.....	3 (3,0)	R S 459 The Rural Community.....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)	Soc 402 The Family.....	3 (3,0)

AGRONOMY

Agronomy graduates have opportunities in general farming, soil conservation service, agricultural extension and experiment station work, and may also be found as plant breeders, soil analysts, and crop specialists. Other positions include work with commercial concerns such as fertilizer companies, seedsmen, and manufacturers of certain food products.

AGRONOMY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Ag En 301 Soil Conservation	3 (2,3)
Agron 301 Fertilizers	3 (3,0)
Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Engl 301 Public Speaking	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Electives	6

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Suggested Electives:

Chem 211 Qual. Analysis	3 (1,6)
Chem 212 Quan. Analysis	3 (1,6)
Ent 301 Elem. & Econ. Ent.	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
R S 301 Rural Sociology	3 (3,0)

Agron 302 Genetics	3 (2,3)
Agron 306 Forage Crops	3 (3,0)
Bot 352 Plant Physiology	3 (3,0)
Bot 354 Plant Physiol. Lab.	1 (0,3)
P H 301 Farm Poultry	3 (3,0)
P H 303 Farm Poul. Lab.	1 (0,3)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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Suggested Electives:

Ag Ec 302 Farm Management	4 (3,3)
For 205 Farm Forestry	2 (2,0)
For 207 Farm For. Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)

SENIOR YEAR

Agron 401 Adv. Crop Lab.	1 (0,3)
Agron 405 Plant Breeding	3 (2,3)
Agron 409 Cotton & Tobacco	3 (3,0)
Agron 451 Min. Nutr. Crops	2 (2,0)
Agron 455 Seminar	1 (1,0)
Agron 457 Res. and Thesis	1 (0,3)
Bot 401 Plant Pathology	2 (2,0)
Bot 403 Plant Path. Lab.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
M S 401 Military Drill	0 (0,3)
Approved Elective	3

20

Suggested Electives:

Ag Ec 309 Marketing	3 (2,3)
Ag Ec 401 Statistics	4 (3,3)
M S M. S. & T.—Adv.	3 (4,0)

Agron 452 Soil Management	2 (2,0)
Agron 454 Adv. Soil Lab.	1 (0,3)
Agron 456 Seminar	1 (1,0)
Agron 458 Res. and Thesis	1 (0,3)
A H 301 Feeds and Feeding	3 (3,0)
Bact 410 Soil Microbiology	2 (2,0)
Bact 412 Soil Micro. Lab.	1 (0,3)
Gov 301 Am. G. & Pol. Par.	3 (3,0)
M S 402 Military Drill	0 (0,3)
Approved Electives	6

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Suggested Electives:

Ag Ec 460 Agric. Finance	3 (3,0)
Bot 356 Taxonomy	1 (1,0)
Bot 358 Taxonomy Lab.	2 (0,6)
Bot 402 Economic Botany	2 (2,0)
Bot 404 Econ. Bot. Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)

ANIMAL HUSBANDRY

Occupations for Animal Husbandry graduates include livestock farming, cattle and swine breeding, extension livestock specialists, feed specialists, county agents, agricultural teachers, research work in animal industry, positions with meat packing companies, feed dealers, freezer locker operators, livestock dealers, and livestock commission brokers.

ANIMAL HUSBANDRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Agron 301 Fertilizers	3 (3,0)	Ag Ec 302 Farm Management	4 (3,3)
A H 301 Feeds and Feeding	3 (3,0)	Agron 306 Forage Crops	3 (3,0)
A H 303 Feeding Lab.	1 (0,3)	A H 306 Judging	1 (0,3)
Dairy 301 Genetics	3 (2,3)	A H 310 Pork Production	2 (2,0)
Engrl 301 Public Speaking	3 (3,0)	A H 312 Brds. of Livestock	2 (2,0)
M S 301 Military Drill	0 (0,3)	A H 314 Pork Prod. Lab.	1 (0,3)
Approved Electives	6	Gov 301 Am. G. & Pol. Par.	3 (3,0)
		M S 302 Military Drill	0 (0,3)
		Approved Elective	3

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Suggested Electives:

Ent 301 Elem. & Econ. Ent.	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
R S 301 Rural Sociology	3 (3,0)

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Suggested Electives:

Ag Ec 460 Agric. Finance	3 (3,0)
Ag En 301 Soil Conservation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

SENIOR YEAR

A H 401 Beef Production	2 (2,0)	A H 402 Horse & Sheep Pr.	3 (3,0)
A H 403 Beef Prod. Lab.	1 (0,3)	A H 406 Seminar	2 (2,0)
A H 451 Advanced Feeds	2 (2,0)	A H 452 Animal Breeding	2 (2,0)
A H 455 Farm Meats	2 (0,6)	A H 454 Animal Breed. Lab.	1 (0,3)
Bact 301 Gen. Bacteriology	3 (3,0)	A H 456 Advanced Meats	1 (1,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	A H 458 Adv. Meats Lab.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)	P H 301 Farm Poultry	3 (3,0)
M S 401 Military Drill	0 (0,3)	P H 303 Farm Poul. Lab.	1 (0,3)
Approved Electives	6	M S 402 Military Drill	0 (0,3)
		Approved Elective	4

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Suggested Electives:

Ag Ec 309 Marketing	3 (2,3)
A H 405 Advanced Judging	1 (0,3)
Dairy 309 Animal Nutrition	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
V S 401 Anat. & Physiology	3 (2,3)

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Suggested Electives:

Hort 464 Food Preservation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
V S 402 Animal Diseases	3 (2,3)

BOTANY

Opportunities in Botany include research work with the state and federal agencies as well as with private agencies such as manufacturers of foods and fibers, agricultural chemicals, fertilizers, weed control chemicals, and seedsmen. Occupations in the agricultural extension work, teaching of biological sciences, curators of herbaria, industrial sales and demonstration representatives for companies manufacturing fungicides and herbicides are also available. Plant pathologists also have opportunities in nursery, orchard and food inspection as well as pathologist-plant breeders with seed companies and other research agencies.

BOTANY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Bact 301 Gen. Bacteriology-----	3 (3,0)	Agron 302 Genetics-----	3 (2,3)
Bact 303 Gen. Bact. Lab.-----	1 (0,3)	Bot 352 Plant Physiology-----	3 (3,0)
Bot 351 Plant Morphology-----	2 (2,0)	Bot 354 Plant Physiol. Lab.-----	1 (0,3)
Bot 353 Plant Morph. Lab.-----	2 (0,6)	Bot 356 Taxonomy-----	1 (1,0)
Bot 355 Histology-----	2 (0,6)	Bot 358 Taxonomy Lab.-----	2 (0,6)
Engl 301 Public Speaking-----	3 (3,0)	Ger 102 Elementary German-----	3 (3,0)
Ger 101 Elementary German-----	3 (3,0)	Gov 301 Am. G. & Pol. Par.-----	3 (3,0)
M S 301 Military Drill-----	0 (0,3)	M S 302 Military Drill-----	0 (0,3)
Approved Elective-----	3	Approved Elective-----	3

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Suggested Electives:

Econ 312 Commercial Law-----	3 (3,0)
Hort 301 Prin. Veg. Prod.-----	3 (2,3)
M S M. S. & T.—Adv.-----	3 (4,0)

Suggested Electives:

Ent 302 General Entomology-----	3 (2,3)
For 205 Farm Forestry-----	2 (2,0)
For 207 Farm For. Lab.-----	1 (0,3)
M S M. S. & T.—Adv.-----	3 (4,0)

SENIOR YEAR

Bot 401 Plant Pathology-----	2 (2,0)	Bot 402 Economic Botany-----	2 (2,0)
Bot 403 Plant Path. Lab.-----	1 (0,3)	Bot 404 Econ. Bot. Lab.-----	1 (0,3)
Bot 405 Seminar & Thesis-----	2 (1,3)	Bot 406 Seminar & Thesis-----	2 (1,3)
Bot 451 Morph. of Fungi-----	2 (2,0)	Bot 452 Ecology-----	2 (2,0)
Bot 453 Morph. Fungi Lab.-----	1 (0,3)	Bot 454 Ecology Lab.-----	2 (0,6)
Ent 301 Elem. & Econ. Ent.-----	3 (2,3)	P H 301 Farm Poultry-----	3 (3,0)
Psych 301 Gen. Psychology-----	3 (3,0)	P H 303 Farm Poul. Lab.-----	1 (0,3)
M S 401 Military Drill-----	0 (0,3)	M S 402 Military Drill-----	0 (0,3)
Approved Electives-----	6	Approved Electives-----	5

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Suggested Electives:

Ag Ec 401 Statistics-----	4 (3,3)
Agron 405 Plant Breeding-----	3 (2,3)
Agron 451 Min. Nutr. Crops-----	2 (2,0)
M S M. S. & T.—Adv.-----	3 (4,0)

Suggested Electives:

Agron 452 Soil Management-----	2 (2,0)
Agron 454 Adv. Soil Lab.-----	1 (0,3)
Bact 410 Soil Microbiology-----	2 (2,0)
Bact 412 Soil Micro. Lab.-----	1 (0,3)
Hort 456 Truck Crops-----	3 (2,3)
M S M. S. & T.—Adv.-----	3 (4,0)

DAIRYING

Opportunities in Dairying include dairy farming, dairy plant management, dairy herdsmen for large breeding companies, ice cream manufacturing, laboratory and technical work in dairy plants, milk inspection work, dairy extension specialist, research work with state, federal and commercial organizations, as well as many positions with milk products laboratories and production plants.

DAIRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)	A H 301 Feeds and Feeding.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	*Dairy 306 Market Milk.....	3 (3,0)
Dairy 301 Genetics.....	3 (2,3)	Engl 301 Public Speaking.....	3 (3,0)
Dairy 302 Dairy Technology.....	3 (2,3)	P H 301 Farm Poultry.....	3 (3,0)
Dairy 305 Judging.....	1 (0,3)	P H 303 Farm Poultry Lab.....	1 (0,3)
Dairy 309 Animal Nutrition.....	3 (3,0)	M S 302 Military Drill.....	0 (0,3)
M S 301 Military Drill.....	0 (0,3)	Approved Electives.....	6
Approved Electives.....	5		

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Suggested Electives:

Ag Ec 401 Statistics.....	4 (3,3)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)
V S 401 Anat. & Physiology.....	3 (2,3)
Zool 301 Adv. Zoology.....	3 (2,3)

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Suggested Electives:

A H 310 Pork Production.....	2 (2,0)
A H 314 Pork Prod. Lab.....	1 (0,3)
*Dairy 352 Advertising & Mktg.....	3 (3,0)
Dairy 354 Endocrinology.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)
Zool 301 Embryology.....	3 (2,3)

SENIOR YEAR

Agron 301 Fertilizers.....	3 (3,0)	Dairy 402 Dairy Manufactures.....	4 (2,6)
Bact 402 Dairy Bacteriology.....	2 (2,0)	Dairy 405 Breeding.....	3 (2,3)
Bact 404 Dairy Bact. Lab.....	1 (0,3)	Dairy 410 Seminar.....	2 (2,0)
Dairy 401 Dairy Manufactures.....	3 (2,3)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
Dairy 409 Seminar.....	2 (2,0)	Psych 301 Gen. Psychology.....	3 (3,0)
Dairy 452 Feeding & Mgt.....	3 (2,3)	M S 402 Military Drill.....	0 (0,3)
M S 401 Military Drill.....	0 (0,3)	Approved Elective.....	3
Approved Electives.....	6		

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Suggested Electives:

Agron 306 Forage Crops.....	3 (3,0)
Econ 312 Commercial Law.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)

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Suggested Electives:

Ag Ec 302 Farm Management.....	4 (3,3)
Ag Ec 460 Agric. Finance.....	3 (3,0)
*Dairy 352 Advertising & Mktg.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)
V S 402 Animal Diseases.....	3 (2,3)

*Dairy 306 and 352 are given in alternate years.

ENTOMOLOGY

Many Entomology graduates normally enter federal service with the U. S. Bureau of Entomology and Plant Quarantine as research men or as inspectors. Others enter responsible positions in teaching, research and extension staffs of the several State Colleges and Universities. Insecticide manufacturing concerns also attract many Entomology graduates. Beekeeping is also one phase of entomological work.

ENTOMOLOGY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Engl 301 Public Speaking	3 (3,0)
Ent 301 Elem. & Econ. Ent.	3 (2,3)
Ger 101 Elementary German	3 (3,0)
Zool 301 Advanced Zoology	3 (2,3)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

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Suggested Electives:

Hort 305 Plant Propagation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
R S 301 Rural Sociology	3 (3,0)

Agron 302 Genetics	3 (2,3)
Bot 352 Plant Physiology	3 (3,0)
Bot 354 Plant Physiol. Lab.	1 (0,3)
Ent 302 General Entomology	3 (2,3)
P H 301 Farm Poultry	3 (3,0)
P H 303 Farm Poul. Lab.	1 (0,3)
Zool 306 Game Management	2 (2,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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Suggested Electives:

For 205 Farm Forestry	2 (2,0)
For 207 Farm For. Lab.	1 (0,3)
Ger 102 Elementary German	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Zool 302 Embryology	3 (2,3)

SENIOR YEAR

Bot 401 Plant Pathology	2 (2,0)
Bot 403 Plant Path. Lab.	1 (0,3)
Ent 401 Econ. Entomology	3 (2,3)
Ent 405 Insect Morphology	3 (2,3)
Ent 451 Res. Tech. & Meth.	2 (1,3)
Psych 301 Gen. Psychology	3 (3,0)
M S 401 Military Drill	0 (0,3)
Approved Electives	6

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Suggested Electives:

Ag Ec 401 Statistics	4 (3,3)
Bot 451 Morph. of Fungi	2 (2,0)
Bot 453 Morph. Fungi Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)
Soc 301 Intro. Sociology	3 (3,0)

Ent 402 Econ. Entomology	3 (2,3)
Ent 406 Beekeeping	3 (2,3)
Ent 452 Taxonomic Ent.	2 (1,3)
Ent 456 Parasitology	3 (2,3)
Ent 460 Seminar	2 (2,0)
Gov 301 Am. G. & Pol. Par.	3 (3,0)
M S 402 Military Drill	0 (0,3)
Approved Elective	2

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Suggested Electives:

Bot 356 Taxonomy	1 (1,0)
Bot 358 Taxonomy Lab.	2 (0,6)
Econ 312 Commercial Law	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)

HORTICULTURE

Opportunities in Horticulture include vegetable and fruit farm management, nursery management, landscape gardening, fresh fruit and vegetable and food products inspection, plant breeding, agricultural extension service, experiment station research, and food canning, freezing and dehydration. Other occupations include work with florists, seedsmen, fruit products companies, fertilizer companies, fungicide and insecticide manufacturers and dealers, and spraying and dusting equipment manufacturers and dealers.

HORTICULTURE MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

Agron 301 Fertilizers	3 (3,0)	Agron 302 Genetics	3 (2,3)
Bact 301 Gen. Bacteriology.....	3 (3,0)	Bot 352 Plant Physiology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Bot 354 Plant Physiol. Lab.....	1 (0,3)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)	Engl 301 Public Speaking	3 (3,0)
Hort 301 Prin. Veg. Prod.....	3 (2,3)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
Hort 305 Plant Propagation	3 (2,3)	Hort 306 Landscape Design.....	2 (2,0)
M S 301 Military Drill.....	0 (0,3)	Hort 308 Land. Des. Lab.....	1 (0,3)
Approved Elective	3	M S 302 Military Drill.....	0 (0,3)

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Suggested Electives:	
M S M. S. & T.—Adv.....	3 (4,0)
R S 301 Rural Sociology.....	3 (3,0)

Suggested Electives:	
Ag Ec 302 Farm Management	4 (3,3)
Bot 356 Taxonomy.....	1 (1,0)
Bot 358 Taxonomy Lab.....	2 (0,6)
M S M. S. & T.—Adv.....	3 (4,0)

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SENIOR YEAR

Ag Ec 309 Marketing	3 (2,3)	Hort 410 Seminar	1 (1,0)
Bot 401 Plant Pathology.....	2 (2,0)	Hort 452 Commrel. Pomology	3 (2,3)
Bot 403 Plant Path. Lab.....	1 (0,3)	or Hort 402 Garden Design.....	2 (2,0)
Hort 409 Seminar	1 (1,0)	Hort 404 Garden Des. Lab.....	1 (0,3)
Hort 451 Syst. Pomology	3 (2,3)	Hort 456 Truck Crops	3 (2,3)
Hort 455 Breeding H. Crops	3 (2,3)	or Hort 460 Landscape Dsgn.....	3 (2,3)
or Hort 405 Nut Culture	3 (2,3)	Hort 464 Food Preservation	3 (2,3)
Psych 301 Gen. Psychology	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
M S 401 Military Drill.....	0 (0,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
Approved Elective	2	M S 402 Military Drill.....	0 (0,3)

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Suggested Electives:	
Hort 401 Landscape Design.....	2 (2,0)
Hort 403 Landsc. Des. Lab.....	1 (0,3)
Hort 415 Floriculture	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

Suggested Electives:	
Ag En 301 Soil Conservation	3 (2,3)
Ent 406 Beekeeping	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

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POULTRY

Graduates in Poultry Husbandry major have opportunities as poultry farm operators, hatchery managers, sales and service-men with feed manufacturers and poultry equipment concerns, poultry research workers and extension agents.

POULTRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

A H 301 Feeds and Feeding	3 (3,0)	Ag Ec 302 Farm Management	4 (3,3)
A H 303 Feeding Lab.....	1 (0,3)	Bact 301 Gen. Bacteriology.....	3 (3,0)
Dairy 301 Genetics	3 (2,3)	Bact 303 Gen. Bact. Lab.....	1 (0,3)
R S 301 Rural Sociology.....	3 (3,0)	Engl 301 Public Speaking	3 (3,0)
V S 401 Anat. & Physiology	3 (2,3)	P H 301 Farm Poultry.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
Approved Electives	6	M S 302 Military Drill.....	0 (0,3)

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Suggested Electives:	
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)
Zool 301 Advanced Zoology	3 (2,3)

Suggested Electives:	
Agron 306 Forage Crops	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)
Zool 302 Embryology	3 (2,3)
Zool 306 Game Management	2 (2,0)

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SENIOR YEAR

P H 451 Poultry Breeding	3 (2,3)
P H 455 Grading & Process.	3 (2,3)
P H 459 Dis. & Parasites	3 (2,3)
Psych 301 Gen. Psychology	3 (3,0)
M S 401 Military Drill	0 (0,3)
Approved Electives	7

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Suggested Electives:

Ag Ec 309 Marketing	3 (2,3)
Ag Ec 401 Statistics	4 (3,3)
Dairy 309 Nutrition	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)

Gov 301 Am. G. & Pol. Par.	3 (3,0)
Hort 464 Food Preservation	3 (2,3)
P H 452 Feed. & Flock Mgt.	3 (2,3)
P H 456 Incubat. & Brood.	3 (2,3)
P H 460 Seminar	2 (2,0)
M S 402 Military Drill	0 (0,3)
Approved Electives	6

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Suggested Electives:

Ent 406 Beekeeping	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

AGRICULTURAL ENGINEERING

Opportunities in Agricultural Engineering include mechanized farming; research with state, federal, and private agencies; sales, service, advertising and design of farm equipment and materials; agricultural extension service with state and federal agencies; employment in the fields of soil conservation, land drainage and reclamation, and irrigation; rural electrification work with power companies, manufacturers of electrical equipment and the Rural Electrification Administration of the United States Department of Agriculture; and private business such as farming, operating machinery dealerships and related lines of business.

AGRICULTURAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
Math 103 Freshman Math	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Elementary Surveying	2 (1,3)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Ag En 203 Ag. Engr. Problems	2 (1,3)
Ag En 207 Farm Mechanics	2 (1,3)
A H 101 Types and Breeds	2 (2,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

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Ag En 202 Farm Equipment	3 (2,3)
Agron 101 Farm Crops	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

Ag En 351 Farm Tractors.....	3 (2,3)
Agron 202 Soils.....	3 (2,3)
E E 303 Elec. Cir. & Machines.....	4 (3,3)
M E 305 Heat Power.....	3 (3,0)
M E 307 Mech. Engr. Lab.....	1 (0,3)
Mech 302 Statics.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)
Approved Elective	3

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Suggested Electives:

Arch 215 Building Materials.....	2 (2,0)
C E 203 Topog. Survey & Map.....	1 (0,3)
C E 319 Gen. Photogrammetry.....	3 (2,3)
D D 305 Kinematics of Mach.....	2 (1,3)
Mech 303 Kinetics.....	3 (3,0)

Ag En 304 Rur. Electrifi.....	3 (2,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)
In En 201 Metal Processes.....	2 (0,6)
In En 302 Welding.....	2 (1,3)
Mech 304 Mech. of Matr.....	3 (3,0)
M S 302 Military Drill.....	0 (0,3)
Approved Elective	3

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Suggested Electives:

Ag Ec 302 Farm Management.....	4 (3,3)
Agron 306 Forage Crops.....	3 (3,0)
Arch 216 Building Design.....	2 (2,0)
D D 306 Machine Design.....	2 (1,3)
M E 306 Heat Power.....	3 (3,0)

SENIOR YEAR

Ag En 401 Soil & Wat. Con. En.....	3 (2,3)
Ag En 409 Seminar.....	1 (1,0)
Ag En 451 Farm Structures.....	3 (2,3)
Hist 301 U. S. since 1865.....	3 (3,0)
Mech 401 Fluid Mechanics.....	3 (3,0)
Mech 403 Fluid Mech. Lab.....	1 (0,3)
M S 401 Military Drill.....	0 (0,3)
Approved Elective	3

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Suggested Electives:

Ag Ec 401 Statistics.....	4 (3,3)
In En 402 Metallurgy.....	3 (3,0)
Mech 464 Flow in Open Channels	2, 3 (2,3,0)

Ag En 402 Drain. & Irrig.....	3 (2,3)
Ag En 406 Adv. Farm Mach.....	3 (2,3)
Ag En 410 Seminar.....	1 (1,0)
Ag En 452 Adv. Farm Struct.....	3 (2,3)
Engl 301 Public Speaking.....	3 (3,0)
Hort 464 Food Preservation.....	3 (2,3)
M S 402 Military Drill.....	0 (0,3)
Approved Elective	3

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Suggested Electives:

Hort 452 Commercial Pomology.....	3 (2,3)
M E 414 Heat Power Lab.....	2 (0,6)
Mech 460 Hydrology.....	3 (3,0)

PRE-FORESTRY

Students completing the two-year Pre-Forestry program at Clemson are qualified to transfer to any of the major forestry institutions in the country. Opportunities exist for work on national forests, state forests, and large private timber lands in technical administrative capacity. Men with training in forest products are also in demand in pulp and paper mills and laboratories and in the mills and developmental laboratories of the larger lumber, plywood and furniture companies in this region and throughout the country.

PRE-FORESTRY

FRESHMAN YEAR

First Semester

Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 101 General Chemistry.....	4 (3,3)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
C E 101 Elementary Surveying.....	2 (1,3)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

C E 201 Surveying.....	2 (2,0)	C E 202 Surveying.....	2 (2,0)
C E 203 Topog. Survey. & Map.....	1 (0,3)	Econ 201 Prin. of Economics.....	3 (3,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
For 201 Introduction to Forestry.....	2 (2,0)	For 202 Dendrology.....	3 (3,0)
For 203 Intro to For. Lab.....	1 (0,3)	For 204 Dendrology Lab.....	1 (0,3)
Geol 201 Agric. Geology.....	3 (3,0)	Phys 202 General Physics.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 204 M. S. & T.—Basic.....	1 (2,0)
M S 203 M. S. & T.—Basic.....	1 (2,0)		
	17		17

PRE-VETERINARY MEDICINE

The curriculum in Pre-Veterinary Medicine is designed to meet the general requirements of certain Schools of Veterinary Medicine. Since the requirements for entrance to these schools are not uniform, the student should consider the specific requirements of the school he expects to attend in choosing elective courses.

PRE-VETERINARY

FRESHMAN YEAR

First Semester

AH 101 Types and Breeds.....	2 (2,0)
AH 103 Types and Breeds Lab.....	1 (0,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 103 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
MS 101 Military Drill.....	0 (0,3)
MS 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 104 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Hist 101 American History.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
MS 102 Military Drill.....	0 (0,3)
MS 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3 (3,0)	AH 301 Feeds and Feeding.....	3 (3,0)
Bot 401 Plant Pathology.....	2 (2,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Bot 403 Plant Path. Lab.....	1 (0,3)	*Modern Language.....	3 (3,0)
Chem 220 Organic Chemistry.....	4 (3,3)	PH 301 Farm Poultry.....	3 (3,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	PH 303 Farm Poultry Lab.....	1 (0,3)
*Modern Language.....	3 (3,0)	Phys 201 General Physics.....	3 (3,0)
Zool 301 Adv. Zoology.....	3 (2,3)	Phys 203 Gen. Phys. Lab.....	1 (0,3)
MS 201 Military Drill.....	0 (0,3)	MS 202 Military Drill.....	0 (0,3)
MS 203 M. S. & T.—Basic.....	1 (2,0)	MS 204 M. S. & T.—Basic.....	1 (2,0)
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*Students may take a correspondence course in Medical Vocabulary, 3 credits, offered at Alabama Polytechnic Institute, in lieu of Modern Language. If the course in Medical Vocabulary is selected in lieu of Modern Language for the first semester of the sophomore year, the student will take three semester credit hours of electives in lieu of Modern Language in the second semester.

Suggested Electives:

AH 312 Brds. of Livestock.....	2 (2,0)
Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)

Suggested Electives:

Dairy 201 Dairying.....	3 (2,3)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)

SCHOOL OF ARTS AND SCIENCES

In addition to acting as a service school to all other schools of the College in furnishing the training in the humanities and the social and physical sciences which is essential to the general education of students, the School of Arts and Sciences offers three curricula:

1. The curriculum in Arts and Sciences, leading to the degree of Bachelor of Science in Arts and Sciences.
2. The curriculum in Pre-Medicine, leading to the degree of Bachelor of Science in Pre-Medicine.
3. The curriculum in Industrial Physics, leading to the degree of Bachelor of Science in Industrial Physics.

Students majoring in the School of Arts and Sciences should secure from the Dean of the School of Arts and Sciences the *Handbook for Students Majoring in the School of Arts and Sciences*, the purpose of which is to provide information to students about possible fields of study, guidance in choosing an appropriate field of concentration, a list of approved electives, and additional information about the requirements for graduation in this school.

ARTS AND SCIENCES

The curriculum in Arts and Sciences is planned to meet the needs of those students who desire a broad, general education as a preparation for intelligent citizenship and for vocational efficiency. The first two years are spent in introductory work in various fields, in order to give the student breadth of view and to enable him to take a more intelligent part in his own education. During the last two years the student concentrates in selected fields.

ARTS AND SCIENCES

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
Engl 101 Comp. and Lit.	3 (3,0)
Hist 101 American History	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
Modern Language	3 (3,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

Second Semester

Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Hist 102 American History	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
Modern Language	3 (3,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

SOPHOMORE YEAR

*Bot 101 General Botany.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
*Bot 103 Gen. Bot. Lab.....	1 (0,3)	*Math 204 Integral Calculus.....	5 (5,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Modern Language.....	3 (3,0)
*Math 203 Diff. Calculus.....	5 (5,0)	Phys 202 General Physics.....	3 (3,0)
Modern Language.....	3 (3,0)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
Phys 201 General Physics.....	3 (3,0)	*Zool 101 General Zoology.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	*Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)	M S 204 M. S. & T.—Basic.....	1 (2,0)
Approved Electives.....	2 - 3	Approved Electives.....	2 - 3
	18		18

*Students who elect Chemistry, Mathematics, or Physics for one of their fields of concentration shall take Mathematics 203 and 204 and may elect Physics 211, 213 and 212, 214 instead of Physics 201, 203 and 202, 204 during their sophomore year, postponing until their junior year Botany and Zoology, which are required for graduation.

JUNIOR YEAR

Engl 301 Public Speaking.....	3 (3,0)	M S 302 Military Drill.....	0 (0,3)
M S 301 Military Drill.....	0 (0,3)	Approved Electives.....	19
Approved Electives.....	16		
	19		19

SENIOR YEAR

M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives.....	19	Approved Electives.....	19
	19		19

SUPPLEMENTARY REQUIREMENTS

(1) Before the registration date beginning his Junior year, the student shall select two of the fields of study in the curriculum in Arts and Sciences as fields of concentration. These may be selected from Economics and Sociology, English, Government and History, Mathematics, Physics, Modern Languages, Biological Sciences, and Chemistry.

(2) A minimum of twenty-four hours shall be taken in the primary field of concentration and fifteen hours in the secondary field. This work shall be on the Junior-Senior level except that Mathematics 203 and 204 may be used as part fulfillment of this requirement by a student whose field of concentration is Mathematics.

(3) Besides the courses in the primary and secondary fields of concentration, a minimum of 12 additional approved elective hours shall be taken in courses of Junior-Senior level.

(4) The remainder of the elective work may be taken from the list of approved electives.

(5) Students majoring in Arts and Sciences who desire to teach in the public schools may fulfill the requirements for the secondary field of concentration by taking the eighteen hours of Education required by the State Board of Education.

(6) For graduation in Arts and Sciences at least the second year of one foreign language must be completed in college.

(7) The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military in this total.

For lists of subjects in fields of concentration, for list of approved electives, and for further information the student should consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

INDUSTRIAL PHYSICS

The curriculum in Industrial Physics is intended to give a thorough knowledge of the fundamental principles of physics to students who plan to enter industrial laboratories. This course combines sound theoretical training and extensive laboratory practices in the various branches of physics with considerable work in one related field such as Chemistry or Electrical Engineering. The student is encouraged to take at least two advanced mathematics courses and other technical courses may be taken as electives if desired. On completing this curriculum the student should be prepared to enter research in an industrial or government laboratory.

The freshman year of this curriculum is practically identical with that for engineering students and the sophomore year is also quite similar; therefore a student may postpone deciding which course to take until his junior year. For further information about this curriculum consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

INDUSTRIAL PHYSICS

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

17

Second Semester

Chem 102 General Chemistry.....	4 (3,3)
C E 101 Elementary Surveying.....	2 (1,3)
or Gov 101 Amer. Nat'l. Gov't.	3 (3,0)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

17 or 18

SOPHOMORE YEAR

In En 201 Metal Processes.....	2 (0,6)
or Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
or Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)
Approved Electives.....	0 - 3

18

Approved Electives.....	4
or Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
or Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

18 or 17

JUNIOR YEAR

E E 307 D. C. Circ. & Mach.....	4 (3,3)
or Chem 221 Elem. Org. Chem.....	5 (3,6)
Hist 301 U. S. since 1865.....	3 (3,0)
Phys 301 Int. to Mod. Phys.....	3 (3,0)
Phys 303 Exp. in Mod. Phys.....	1 (0,3)
Phys 321 Mech. & Prop. Mat.....	4 (4,0)
Phys 323 Experimental Mech.....	1 (0,3)
M S 301 Military Drill.....	0 (0,3)
Approved Electives.....	3 - 4

20

E E 308 A. C. Circ. & Mach.....	4 (3,3)
or Chem 222 Elem. Org. Chem.....	5 (3,6)
Engl 301 Public Speaking.....	3 (3,0)
Phys 304 Descript. Astronomy.....	3 (3,0)
or Phys 308 Sound & Acoustics.....	3 (3,0)
Phys 312 Heat & Kinetic Th.....	4 (4,0)
Phys 314 Experimental Heat.....	1 (0,3)
M S 302 Military Drill.....	0 (0,3)
Approved Electives.....	4 - 5

20

SENIOR YEAR

E E 320 Electronics.....	4 (3,3)
or Chem 331 & 333 Phys. Chem.....	5 (3,6)
Phys 441 Magnetism & Elec.....	4 (4,0)
Phys 443 Experimental Elec.....	1 (0,3)
M S 401 Military Drill.....	0 (0,3)
Approved Electives.....	10 - 11

20

E E (as approved).....	4
or Chem 332 & 334 Phys. Chem.....	5 (3,6)
Phys 432 Light.....	4 (4,0)
Phys 434 Experimental Light.....	1 (0,3)
Phys 452 Atom. & Nucl. Phys.....	3 (3,0)
MS 402 Military Drill.....	0 (0,3)
Approved Electives.....	7 - 8

20

PRE-MEDICINE

The curriculum in Pre-Medicine is designed to meet the general entrance requirements of standard medical colleges. Since, however, requirements for entrance to various medical schools are not uniform, the student before choosing his electives should consult the specific requirements of the medical college of his preference.

Those preparing for the study of medicine are advised to complete four years of undergraduate work before entering a medical school. Clemson College, however, will award the degree of Bachelor of Science in Pre-Medicine to a student who, after completing all requirements of the first three years of the Pre-Medical course, is graduated from a medical college approved by the American Medical Association. Requirements of the first three years would be three-fourths of the number of hours required for graduation, including required courses for the first three years.

The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military courses in this total.

PRE-MEDICINE

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry.....	4	(3,3)
Engl 101 Comp. and Lit.	3	(3,0)
Fr 101 Elementary French.....	3	(3,0)
or Ger 101 Elementary Ger.....	3	(3,0)
Hist 101 American History.....	3	(3,0)
Math 103 Freshman Math.....	5	(5,0)
M S 101 Military Drill.....	0	(0,3)
M S 103 M. S. & T.—Basic.....	1	(2,0)

19

Second Semester

Chem 104 General Chemistry.....	4	(3,3)
Engl 102 Comp. and Lit.	3	(3,0)
Fr 102 Elementary French.....	3	(3,0)
or Ger 102 Elementary Ger.....	3	(3,0)
Hist 102 American History.....	3	(3,0)
Math 104 Freshman Math.....	5	(5,0)
M S 102 Military Drill.....	0	(0,3)
M S 104 M. S. & T.—Basic.....	1	(2,0)

19

SOPHOMORE YEAR

Chem 211 Qual. Analysis.....	3	(1,6)
D D 101 Freehand Drawing.....	1	(0,3)
Engl 203 Survey of Engl. Lit.....	3	(3,0)
Fr 201 Intermediate French.....	3	(3,0)
or Ger 201 Intermediate Ger.....	3	(3,0)
Phys 201 General Physics.....	3	(3,0)
Phys 203 Gen. Phys. Lab.....	1	(0,3)
Zool 101 General Zoology.....	3	(3,0)
Zool 103 Gen. Zool. Lab.....	1	(0,3)
M S 201 Military Drill.....	0	(0,3)
M S 203 M. S. & T.—Basic.....	1	(2,0)

19

Bot 101 General Botany.....	3	(3,0)
Bot 103 Gen. Bot. Lab.....	1	(0,3)
Chem 212 Quan. Analysis.....	3	(1,6)
Engl 204 Survey of Engl. Lit.....	3	(3,0)
Fr 202 Intermediate French.....	3	(3,0)
or Ger 202 Intermediate Ger.....	3	(3,0)
Phys 202 General Physics.....	3	(3,0)
Phys 204 Gen. Phys. Lab.....	1	(0,3)
M S 202 Military Drill.....	0	(0,3)
M S 204 M. S. & T.—Basic.....	1	(2,0)

18

JUNIOR YEAR

Chem 221 Elem. Org. Chem.....	5	(3,6)
Econ 201 Prin. of Economics.....	3	(3,0)
Engl 301 Public Speaking.....	3	(3,0)
M S 301 Military Drill.....	0	(0,3)
Approved Electives.....	8	

19

Chem 222 Elem. Org. Chem.....	5	(3,6)
Econ 202 Prin. of Economics.....	3	(3,0)
M S 302 Military Drill.....	0	(0,3)
Approved Electives.....	11	

19

SENIOR YEAR

Bact 301 Gen. Bacteriology-----	3 (3,0)	Hist 304 Hist. of Civ.-----	3 (3,0)
Bact 303 Gen. Bact. Lab.-----	1 (0,3)	Psych 302 Social Psychology-----	3 (3,0)
Hist 303 Hist. of Civ.-----	3 (3,0)	Soc 301 Intro. Sociology-----	3 (3,0)
Psych 301 Gen. Psychology-----	3 (3,0)	Zool 302 Embryology-----	3 (2,3)
Zool 301 Advanced Zoology-----	3 (2,3)	M S 402 Military Drill-----	0 (0,3)
M S 401 Military Drill-----	0 (0,3)	Approved Electives-----	6
Approved Electives-----	6		
	19		18

SCHOOL OF CHEMISTRY
CHEMISTRY

The Chemistry curriculum is designed to give the student a thorough knowledge of the fundamental principles of chemistry. The course is so arranged that each student takes approximately the same number of hours of work in each of the four fundamental branches of chemistry,—Inorganic, Analytical, Organic and Physical. Additional work may be scheduled in any of these fields in which the student is particularly interested. The number of allowable elective credits is great enough to enable the student to take work in related fields such as engineering, textile chemistry, physics, bacteriology, etc. Graduates of the Chemistry curriculum are prepared for employment in any of the chemical industries in laboratory, plant control or sales work, as well as in Government Laboratories or State Experiment Stations. Many of our graduates go to other institutions for graduate work and the number of our Chemistry graduates who have obtained graduate degrees is impressive. These men are well distributed through industry and research institutions.

CHEMISTRY

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry-----	4 (3,3)
D D 101 Freehand Drawing-----	1 (0,3)
Engl 101 Comp. and Lit.-----	3 (3,0)
Math 103 Freshman Math.-----	5 (5,0)
Phys 201 General Physics-----	3 (3,0)
Phys 203 Gen. Phys. Lab.-----	1 (0,3)
M S 101 Military Drill-----	0 (0,3)
M S 103 M. S. & T.—Basic-----	1 (2,0)

18

Second Semester

Chem 104 General Chemistry-----	4 (3,3)
D D 102 Technical Drawing-----	1 (0,3)
Engl 102 Comp. and Lit.-----	3 (3,0)
Math 104 Freshman Math.-----	5 (5,0)
Phys 202 General Physics-----	3 (3,0)
Phys 204 Gen. Phys. Lab.-----	1 (0,3)
M S 102 Military Drill-----	0 (0,3)
M S 104 M. S. & T.—Basic-----	1 (2,0)

18

SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)	Chem 216 Quan. Analysis.....	4 (2,6)
Chem 221 Organic Chemistry.....	5 (3,6)	Chem 222 Organic Chemistry.....	5 (3,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)	Math 204 Integral Calculus.....	5 (5,0)
M S 201 Military Drill.....	0 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)	M S 204 M. S. & T.—Basic.....	1 (2,0)
	18		18

JUNIOR YEAR

Chem 321 Qual. Org. Anal.....	4 (2,6)	Chem 312 Gas & Fuel Analysis.....	3 (1,6)
Chem 331 Physical Chemistry.....	3 (3,0)	Chem 332 Physical Chemistry.....	3 (3,0)
Chem 333 Physical Chem. Lab.....	2 (0,6)	Chem 334 Physical Chem. Lab.....	2 (0,6)
Ger 101 Elementary German.....	3 (3,0)	Ger 102 Elementary German.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	M S 302 Military Drill.....	0 (0,3)
*Approved Electives.....	8	*Approved Electives.....	9
	20		20

SENIOR YEAR

Chem 401 Inorg. Chemistry.....	3 (3,0)	Chem 402 Inorg. Chemistry.....	3 (3,0)
Chem 411 Adv. Quant. Anal.....	3 (1,6)	Chem 432 Colloid Chemistry.....	2 (2,0)
Chem 431 Colloid Chemistry.....	2 (2,0)	Chem 442 Chem. Literature.....	2 (1,3)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
*Approved Electives.....	11	*Approved Electives.....	12
	19		19

* Electives:

For the degree of B. S. in Chemistry, a student must elect at least 18 hours in History, Government, Public Speaking, Economics, Sociology, Psychology, etc.

Suggested Electives:		Suggested Electives:	
Bact 301 Gen. Bacteriology.....	3 (3,0)	Chem 444 Research Problems.....	3 (0,9)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Chem 454 Inorganic Synthesis.....	2 (0,6)
Chem 441 Glass Manipulation.....	2 (0,6)	Chem 462 Technical Analysis.....	3 (1,6)
Chem 443 Research Problems.....	3 (0,9)	Chem 472 Organic Synthesis.....	4 (1,9)
Ger 201 Intermediate German.....	3 (3,0)	Chem 482 Chem. Thermodynamics.....	3 (3,0)
Math 305 Inter. Calculus.....	3 (3,0)	Chem 484 Colloid Chem. Lab.....	2 (0,6)
M S M. S. & T.—Adv.....	3 (4,0)	Geol 306 Mineralogy.....	4 (3,3)
Phys 301 Intro. to Mod. Phys.....	3 (3,0)	Ger 202 Intermediate German.....	3 (3,0)
Phys 441 Magn. and Elect.....	4 (4,0)	Math 306 Ord. Diff. Equa.....	3 (3,0)
Phys 443 Exp. Electricity.....	1 (0,3)	M S M. S. & T.—Adv.....	3 (4,0)
		Phys 452 Atom. & Nucl. Phys.....	3 (3,0)

SCHOOL OF EDUCATION

The School of Education offers four-year curricula leading to the degree of Bachelor of Science in Education, Industrial Education and Vocational Agricultural Education. Courses are also made available for students of the other schools of the college. By making a proper program of studies it is possible for students to meet the professional requirements in subject matter and in education and to qualify for the teacher's certificate in this State. Students who are planning to teach are advised to plan not only their courses in education, but also their subject

matter courses so as to fulfill the State requirements in the state where they plan to teach. Students who are interested are invited to consult the Dean and other members of the Education staff for information.

Practice teaching in several subjects in cooperation with the State Department of Education and school systems constitutes part of the student's training. Students may be required to live in the public school community or provide the necessary travel for at least six weeks.

The School of Education maintains a Teacher Placement Service with which students may register and from which employers may receive assistance. Both students and employers of teachers are invited to use this service.

EDUCATION

While the purpose of the curriculum in Education is to prepare teachers of general high school subjects, emphasis is placed upon the training of teachers in the various fields of science. The offerings of the other departments of the college make possible a wide selection of subject-matter courses in biology, chemistry, mathematics, English, history, civics, and physics. The majority of graduates enter the teaching profession, although some engage in related work such as athletic coaching.

Approval of electives by adviser is based on sequences appropriate to educational plan of the student.

EDUCATION

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 101 Freehand Drawing	1 (0,3)
Educ 101 Orientation	1 (1,0)
Engl 101 Comp. and Lit.	3 (3,0)
Hist 101 American History	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

Second Semester

Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Gov 101 Am. Nat'l. Govt.	3 (3,0)
Hist 102 American History	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

19

18

SOPHOMORE YEAR

Bot 101 General Botany	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)
Econ 201 Prin. of Economics	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)
Approved Electives	4

Econ 202 Prin. of Economics	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
Zool 101 General Zoology	3 (3,0)
Zool 103 Gen. Zool. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)
Approved Electives	4

19

19

JUNIOR YEAR

Bact 301 Gen. Bacteriology -----	3 (3,0)	Econ 312 Commercial Law -----	3 (3,0)
Bact 303 Gen. Bact. Lab. -----	1 (0,3)	Educ 302 Educ. Psychology -----	3 (3,0)
Educ 305 Prin. of Ed. -----	3 (3,0)	Geol 203 General Geology -----	3 (3,0)
Engl 301 Public Speaking -----	3 (3,0)	R S 459 The Rural Community -----	3 (3,0)
Soc 301 Intro. Sociology -----	3 (3,0)	M S 302 Military Drill -----	0 (0,3)
M S 301 Military Drill -----	0 (0,3)	Approved Electives -----	7
Approved Electives -----	6		
	19		19

SENIOR YEAR

Econ 301 Labor Problems -----	3 (3,0)	Arch 409 Art Appreciation -----	3 (3,0)
Educ 424 Tech. of Teach. -----	3 (3,0)	Educ 332 Organ. Courses -----	3 (3,0)
Educ 458 Health Educ. -----	3 (3,0)	Educ 412 Dir. Teach. -----	6 (1,15)
Geol 203 Gen. Geology -----	3 (3,0)	Music 402 Music Apprec. -----	3 (3,0)
Soc 402 The Family -----	3 (3,0)	M S 402 Milit Drill -----	0 (0,3)
M S 401 Milit Drill -----	0 (0,3)	Approved Electives -----	3
Approved Electives -----	4		
	19		18

INDUSTRIAL EDUCATION

The curriculum in Industrial Education is designed to prepare students to teach industrial subjects, industrial arts, drawing, manual training, and metal work in the high schools and to supervise the teaching of evening trade classes. Graduates become affiliated with high school industrial education departments as teachers, supervisors, and diversified-occupations specialists. Students who plan to teach in industrial communities may choose such electives in textiles, engineering, chemistry or agriculture as they have the background, prerequisites and interests. A few graduates secure employment in industry in special training programs.

INDUSTRIAL EDUCATION

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry -----	4 (3,3)
D D 105 Engr. Drawing -----	2 (0,6)
Educ 101 Orientation -----	1 (1,0)
Engl 101 Comp. and Lit. -----	3 (3,0)
In En 101 Metal Processes -----	2 (0,6)
Math 103 Freshman Math. -----	5 (5,0)
M S 101 Military Drill -----	0 (0,3)
M S 103 M. S. & T.—Basic -----	1 (2,0)

18

Second Semester

Chem 102 General Chemistry -----	4 (3,3)
D D 106 Engr. Drawing -----	2 (0,6)
Engl 102 Comp. and Lit. -----	3 (3,0)
Math 104 Freshman Math. -----	5 (5,0)
T M 101 Intro. to Textiles -----	3 (2,3)
M S 102 Military Drill -----	0 (0,3)
M S 104 M. S. & T.—Basic -----	1 (2,0)

18

SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.	3 (3,0)	Bot 101 General Botany	3 (3,0)
In En 201 Metal Processes	2 (0,6)	Bot 103 Gen. Bot. Lab.	1 (0,3)
In En 205 Constr. Materials	2 (2,0)	Econ 201 Prin. of Economics ..	3 (3,0)
Phys 201 General Physics	3 (3,0)	Engl 204 Survey of Engl. Lit. ..	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)	In En 202 Wood Processes	2 (0,6)
Zool 101 General Zoology	3 (3,0)	In En 302 Welding	2 (1,3)
Zool 103 Gen. Zool. Lab.	1 (0,3)	Phys 202 General Physics	3 (3,0)
M S 201 Military Drill	0 (0,3)	Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)	M S 202 Military Drill	0 (0,3)
Approved Elective	3	M S 204 M. S. & T.—Basic	1 (2,0)
	19		19

JUNIOR YEAR

Arch 215 Bldg. Materials	2 (2,0)	Arch 216 Building Design	2 (2,0)
Educ 305 Prin. of Educ.	3 (3,0)	Educ 302 Educ. Psychology	3 (3,0)
Educ 307 Ind. Educ. Lab.	2 (0,6)	Educ 308 Ind. Educ. Lab.	2 (0,6)
E E 303 Elec. Cir. & Machines ..	4 (3,3)	E E 304 Voc. Electricity	2 (1,3)
Hist 303 History of Civ.	3 (3,0)	Engl 301 Public Speaking	3 (3,0)
In Ar 303 Industrial Arts	2 (1,3)	Hist 304 History of Civ.	3 (3,0)
M S 301 Military Drill	0 (0,3)	In Ar 304 Industrial Arts	2 (1,3)
Approved Electives	3	M S 302 Military Drill	0 (0,3)
	19	Approved Electives	3
			20

SENIOR YEAR

Arch 409 Art Appreciation	3 (3,0)	Arch 408 Industrial Design	1 (0,3)
Educ 402 Directed Teaching	6 (1,15)	Bact 301 Gen. Bacteriology	3 (3,0)
Educ 424 Tech. of Teaching	3 (3,0)	Bact 303 Gen. Bact. Lab.	1 (0,3)
Educ 458 Health Education	3 (3,0)	Educ 332 Org. of Courses	3 (3,0)
Music 402 Music Appreciation ..	3 (3,0)	Educ 421 Coord. Methods	2 (2,0)
M S 401 Military Drill	0 (0,3)	Soc 301 Intro. Sociology	3 (3,0)
Approved Electives	3	M S 402 Military Drill	0 (0,3)
	21	Approved Electives	3
			16

VOCATIONAL AGRICULTURAL EDUCATION

The proportion of graduates of the curriculum in Vocational Agricultural Education who enter the teaching of vocational agriculture in the public schools approaches one hundred per cent; a few, however, enter general and specialized farming and other agricultural occupations. After a few years of teaching experience, a number of graduates advance in the teaching profession or enter related agricultural work such as agricultural extension service, farm credit and rehabilitation work, and special government agencies.

VOCATIONAL AGRICULTURAL EDUCATION

FRESHMAN YEAR

First Semester

Agron 101 Farm Crops	3 (3,0)
Chem 101 General Chemistry	4 (3,3)
Educ 101 Orientation	1 (1,0)
Engl 101 Comp. and Lit.	3 (3,0)
Math 101 College Algebra	3 (3,0)
Zool 101 General Zoology	3 (3,0)
Zool 103 Gen. Zool. Lab.	1 (0,3)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

19

Second Semester

A H 101 Types and Breeds	2 (2,0)
A H 103 Types & Breeds Lab.	1 (0,3)
Bot 101 General Botany	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)
Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Math 102 Trigonometry	3 (3,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

18

SOPHOMORE YEAR

Chem 220 Organic Chemistry	4 (3,3)
Dairy 201 Dairying	3 (2,3)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Gov 101 Am. Nat'l. Gov't.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

18

Ag Ec 201 Agric. Economics	3 (5,0)
Ag En 201 Farm Machinery	3 (2,3)
Agron 202 Soils	3 (2,3)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Hort 201 Gen. Horticulture	3 (2,3)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

20

JUNIOR YEAR

Ag En 301 Soil Conservation	3 (2,3)
Agron 301 Fertilizers	3 (3,0)
Educ 301 Intro. to Educ.	3 (3,0)
P H 301 Farm Poultry	3 (3,0)
P H 303 Farm Poul. Lab.	1 (0,3)
R S 301 Rural Sociology	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

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Ag En 205 Farm Shop	3 (2,3)
A H 301 Feeds and Feeding	3 (3,0)
Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Educ 302 Educ. Psychology	3 (3,0)
Engl 301 Public Speaking	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Social Studies	3

19

Suggested Electives:

A H 310 Pork Production	2 (2,0)
A H 314 Pork Prod. Lab.	1 (0,3)
Ent 301 Elem. in Econ. Ent.	3 (2,3)
Hort 305 Plant Propagation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

Suggested Electives:

Ag Ec 460 Agric. Finance	3 (3,0)
For 205 Farm Forestry	2 (2,0)
For 207 Farm For. Lab.	1 (0,3)
Hort 306 Landscape Design	2 (2,0)
Hort 308 Landsc. Des. Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)

SENIOR YEAR

Arch 409 Art Appreciation	3 (3,0)
Bot 401 Plant Pathology	2 (2,0)
Bot 403 Plant Path. Lab.	1 (0,3)
Educ 401 Meth. in Ag. Ed.	3 (3,0)
Educ 403 Directed Teaching	3 (3,0)
Educ 458 Health Educ. for Tchrs.	3 (3,0)
M S 401 Military Drill	0 (0,3)
Approved Elective	3

18

Ag Ec 302 Farm Management	4 (3,3)
Educ 404 Directed Teaching	3 (0,9)
Educ 422 Prob. in Adult Educ.	3 (3,0)
Hort 464 Food Preservation	3 (2,3)
Music 402 Music Appreciation	3 (3,0)
M S 402 Military Drill	0 (0,3)
Approved Elective	3

18

Suggested Electives:

Ag Ec 309 Marketing	3 (2,3)
Hort 456 Truck Crops	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
R S 459 The Rural Community	3 (3,0)
V S 401 Anat. & Physiology	3 (2,3)

Suggested Electives:

Ag Ec 451 Econ. of Cooperation	3 (3,0)
Hort 452 Commrel. Pomology	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)
V S 402 Animal Diseases	3 (2,3)

SCHOOL OF ENGINEERING

Seven curricula are offered under the School of Engineering including Architecture, Architectural Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. The curricula in Civil, Electrical, and Mechanical Engineering are accredited by the Engineers Council for Professional Development.

While the School of Engineering does not offer specific options or majors under each of these curricula, the training includes many phases of each respective field. Thus, a Civil Engineering student is graduated in Civil Engineering rather than hydraulic engineering, highway engineering, sanitary engineering or other such options, but the curriculum in Civil Engineering includes definite training along these lines. In the same way, the other engineering curricula include thorough training in various phases of the field of specialization without over-emphasizing one phase to the neglect of others.

All engineering consists of the application of the laws of physics, chemistry, and mathematics to the solution of specific problems. Furthermore, any engineer must be able to express his ideas both in words and in drawings. For these two reasons the first two years of all the branches of engineering here listed are substantially the same and deal largely with the fundamentals mentioned above.

An engineer in any branch should understand the methods of fabrication of machine parts and the possibilities and limitations of various methods. For this reason shop courses are included in all engineering curricula. These courses are not manual training in nature and do not deal with the acquisition of specific skills.

In all curricula, over-specialization is carefully avoided by the inclusion of subjects which involve the most direct application of the basic sciences and which serve to develop habits of orderly analysis and logical thinking.

ARCHITECTURE AND ARCHITECTURAL ENGINEERING

The full professional courses in Architecture and Architectural Engineering as given below lead to the Bachelor of Science degree in the respective courses at the end of the fourth year, and to the Bachelor of Architecture degree at the end of the fifth year. The two courses are the same in the freshman and sophomore years. Those students interested in architectural design continue in the course in Architecture and those interested in construction pursue the course in Architectural Engineering.

The courses are broad in scope, fitting the graduate not only for the practice of architecture, but for a number of allied professions. All work is individual and every effort is made to develop the students' individuality, imagination and creative ability. Skillful draftsmanship and artistic presentation are insisted upon.

The South Carolina State Board of Architectural Examiners accepts the diploma of this department as equivalent to two years' work in a practicing architect's office, otherwise required. The department is a member of the Association of Collegiate Schools of Architecture.

As Architecture is one of the fine arts much time is given to freehand drawing, color work, history of architecture, painting and sculpture. Architectural design and building construction are the two major subjects and greatest attention is paid to them throughout the entire course. The two courses parallel each other and insofar as feasible are integrated one with the other. In these the student is given a written program of requirements of a building or group of buildings and under the criticism of the instructor creates a design embodying his own ideas.

Fundamental courses are given in mathematics, graphic statics, strength of materials, reinforced concrete, steel, building materials and details, and in working drawings which consist of complete plans and specifications for a building prepared as in the office of the practicing architect.

The architectural library adjoining the drafting rooms is a working library with many volumes concerning architecture and

allied subjects, photographic plans and illustrations, lantern slides, drawings, models and files of the leading architectural magazines, both American and foreign. Books of this type purchased by the main College library are deposited in the architectural library. In the structural drafting room is a complete built-in exhibit of building materials and appliances especially arranged for instructional purposes.

Each spring students are expected to take an educational trip to a large city to study examples of architecture and construction.

Six weeks of practical architectural work approved by the architectural faculty are required for graduation.

ARCHITECTURE

FRESHMAN YEAR

First Semester

Arch 101 Elements of Design	3 (0.9)
Arch 105 Freehand Present	2 (0.6)
Chem 101 General Chemistry	4 (3.3)
Engl 101 Comp. and Lit.	3 (3.0)
Math 103 Freshman Math.	5 (5.0)
M S 101 Military Drill	0 (0.3)
M S 103 M. S. & T.—Basic	1 (2.0)

18

Second Semester

Arch 102 Arch. Design	3 (0.9)
Arch 106 Freehand Represent.	2 (0.6)
Chem 102 General Chemistry	4 (3.3)
Engl 102 Comp. and Lit.	3 (3.0)
Math 104 Freshman Math.	5 (5.0)
M S 102 Military Drill	0 (0.3)
M S 104 M. S. & T.—Basic	1 (2.0)

18

SOPHOMORE YEAR

Arch 201 Arch. Design	4 (0.12)
Arch 207 Delineation	1 (0.3)
Arch 215 Building Materials	2 (2.0)
Engl 203 Survey of Engl. Lit.	3 (3.0)
Math 203 Diff. Calculus	5 (5.0)
Phys 201 General Physics	3 (3.0)
Phys 203 Gen. Phys. Lab.	1 (0.3)
M S 201 Military Drill	0 (0.3)
M S	1 (2.0)

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Arch 202 Arch. Design	4 (0.12)
Arch 208 Delineation	1 (0.3)
Arch 216 Building Design	2 (2.0)
Engl 204 Survey of Engl. Lit.	3 (3.0)
Math 204 Integral Calculus	5 (5.0)
Phys 202 General Physics	3 (3.0)
Phys 204 Gen. Phys. Lab.	1 (0.3)
M S 202 Military Drill	0 (0.3)
M S	1 (2.0)

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JUNIOR YEAR

Arch 301 Arch. Design	5 (0.15)
Arch 307 Elem. Water Color	1 (0.3)
Arch 309 Hist. of Arch.	3 (3.0)
Arch 317 Working Drawings	2 (1.3)
Mech 302 Statics	3 (3.0)
Mech 306 Graphic Statics	1 (0.3)
M S 301 Military Drill	0 (0.3)
Approved Elective	3

18

Arch 302 Arch. Design	5 (0.15)
Arch 308 Adv. Water Color	1 (0.3)
Arch 310 Hist. of Arch.	3 (3.0)
Arch 318 Working Drawings	1 (0.3)
C E 312 Structural Design	3 (1.6)
Mech 304 Mech. of Matr.	3 (3.0)
M S 302 Military Drill	0 (0.3)
Approved Elective	3

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SENIOR YEAR

Arch 401 Arch. Design -----	6(0,18)	Arch 402 Arch. Design -----	6(0,18)
Arch 415 Building Design -----	2 (2,0)	Arch 411 Hist. of Arch. -----	2 (2,0)
Arch 417 Working Drawings -----	2 (0,6)	Arch 416 Specs. & Prof. Prac. -----	2 (2,0)
Arch 421 Mech. Plant -----	1 (0,3)	Arch 418 Construction -----	2 (2,0)
C E 409 Reinf. Concrete -----	4 (3,3)	Arch 422 Mech. Plant -----	1 (0,3)
M S 401 Military Drill -----	0 (0,3)	Engl 301 Public Speaking -----	3 (3,0)
Approved Elective -----	3	M S 402 Military Drill -----	0 (0,3)
		Approved Elective -----	3
	18		19

FIFTH YEAR

Arch 431 Arch. Des. & City Plan. -----	7(0,21)	Arch 432 Arch. Design -----	7(0,21)
Arch 439 Hist. of Arch. -----	3 (3,0)	Arch 440 Hist. of Arch. -----	3 (3,0)
Arch 445 Construction -----	1 (0,3)	Arch 446 Construction -----	1 (0,3)
C E 319 Gen. Photogrammetry -----	3 (2,3)	Arch 452 Thesis -----	3 (3,0)
Approved Elective -----	6	C E 421 Contracts -----	2 (2,0)
		Approved Elective -----	3
	20		19

Four-year course leads to the degree of Bachelor of Science in Architecture.

Five-year course leads to the degree of Bachelor of Architecture.

ARCHITECTURAL ENGINEERING

FRESHMAN YEAR

First Semester

Arch 101 Elements of Design -----	3 (0,9)
Arch 105 Freehand Present -----	2 (0,6)
Chem 101 General Chemistry -----	4 (3,3)
Engl 101 Comp. and Lit. -----	3 (3,0)
Math 103 Freshman Math. -----	5 (5,0)
M S 101 Military Drill -----	0 (0,3)
M S 103 M. S. & T.—Basic -----	1 (2,0)
	18

Second Semester

Arch 102 Arch. Design -----	3 (0,9)
Arch 106 Freehand Represent. -----	2 (0,6)
Chem 102 General Chemistry -----	4 (3,3)
Engl 102 Comp. and Lit. -----	3 (3,0)
Math 104 Freshman Math. -----	5 (5,0)
M S 102 Military Drill -----	0 (0,3)
M S 104 M. S. & T.—Basic -----	1 (2,0)
	18

SOPHOMORE YEAR

Arch 201 Arch. Design -----	4(0,12)
Arch 207 Delineation -----	1 (0,3)
Arch 215 Building Materials -----	2 (2,0)
Engl 203 Survey of Engl. Lit. -----	3 (3,0)
Math 203 Diff. Calculus -----	5 (5,0)
Phys 201 General Physics -----	3 (3,0)
Phys 203 Gen. Phys. Lab. -----	1 (0,3)
M S 201 Military Drill -----	0 (0,3)
M S or A S -----	1 (2,0)
	20

Arch 202 Arch. Design -----	4(0,12)
Arch 208 Delineation -----	1 (0,3)
Arch 216 Building Design -----	2 (2,0)
Engl 204 Survey of Engl. Lit. -----	3 (3,0)
Math 204 Integral Calculus -----	5 (5,0)
Phys 202 General Physics -----	3 (3,0)
Phys 204 Gen. Phys. Lab. -----	1 (0,3)
M S 202 Military Drill -----	0 (0,3)
M S or A S -----	1 (2,0)
	20

JUNIOR YEAR

Arch 309 Hist. of Arch. -----	3 (3,0)	Arch 310 Hist. of Arch. -----	3 (3,0)
Arch 317 Working Drawings -----	2 (0,3)	Arch 318 Working Drawings -----	1 (0,3)
Arch 421 Mech. Plant. -----	1 (0,3)	Arch 422 Mech. Plant. -----	1 (0,3)
C E 101 Elementary Surveying -----	2 (1,3)	C E 309 Stress Analysis -----	2 (0,6)
Engl 301 Public Speaking -----	3 (3,0)	Econ 312 Commercial Law -----	3 (3,0)
Mech 302 Statics -----	3 (3,0)	In En 101 Metal Processes -----	2 (0,6)
Mech 306 Graphic Statics -----	1 (0,3)	Mech 304 Mech. of Matr. -----	3 (3,0)
M S 301 Military Drill -----	0 (0,3)	M S 302 Military Drill -----	0 (0,3)
Approved Elective -----	3	Approved Elective -----	3
18		18	

SENIOR YEAR

Arch 416 Spec. & Prof. Prac. -----	2 (2,0)	Arch 428 Working Drawings -----	3 (0,9)
Arch 425 Building Design -----	2 (2,0)	C E 434 Constr. Costs, etc. -----	3 (2,3)
Arch 427 Working Drawings -----	4 (1,9)	C E 414 Soil Mechanics -----	3 (2,3)
C E 310 Elementary Design -----	2 (0,6)	*Social Science Course -----	3 (3,0)
C E 409 Reinf. Conc. -----	4 (3,3)	M S 402 Military Drill -----	0 (0,3)
M S 401 Military Drill -----	0 (0,3)	Technical Elective -----	4
Technical Elective -----	2	Approved Elective -----	3
Approved Elective -----	3	19	
19		Arch 448 City Planning -----	3 (1,6)
Technical Electives:		C E 421 Contracts -----	2 (2,0)
Arch 412 Hist. of Arch. -----	3 (3,0)	M E 302 Mech. Engr. -----	3 (3,0)
Arch 447 City Planning -----	3 (1,6)	M E 304 Mech. Engr. -----	1 (0,3)
E E 303 Elec. Circuits & Mech. -----	4 (3,3)	Econ 202 Prin. of Economics -----	3 (3,0)
General Electives:		Econ 302 Money and Banking -----	3 (3,0)
Econ 201 Prin. of Economics -----	3 (3,0)	Elective English -----	3 (3,0)
Econ 301 Labor Problems -----	3 (3,0)	Gov 302 State and Local Gov. -----	3 (3,0)
Econ 401 Accounting -----	3 (3,0)	Gov 403 Internat'l. Relat. -----	3 (3,0)
Elective English -----	3 (3,0)	Hist 304 Hist. of Civ. -----	3 (3,0)
Hist 303 Hist. of Civ. -----	3 (3,0)	Psych 302 Social Psychology -----	3 (3,0)
Phys 301 Intro. Mod. Phys. -----	3 (3,0)	Soc 301 Intro. Sociology -----	3 (3,0)
Phys 303 Exp. in Mod. Phys. -----	1 (0,3)		
Psych 301 Gen. Psychology -----	3 (3,0)		

*Social Science Course to be selected from Econ 201, Gov 301, Psych 301 or Phych 302.

CERAMIC ENGINEERING

The ceramic industries have as their raw materials the non-metallic minerals other than fuels. These minerals constitute over 90 percent of the earth's crust while the industries dependent on them comprise almost one-third the entire field of industrial activity. Ceramic industries produce products in eight major classifications: structural clay products; glass; pottery; refractories abrasives; cements; limes and plaster; enameled metals; thermal and electrical insulation.

South Carolina possesses a wide variety of ceramic minerals which rank with the forests as the richest natural resources in the State. The presence of kaolin, silica, limestone, shale, kyanite, pyrophyllite, sericite, topaz, feldspar, vermiculite, sillimanite, talc, corundum, mica, spodumene, monazite, diatomaceous, earth and fuller's earth make it possible for South Carolina to contribute

raw materials to every major classification of the ceramic industries. The Portland Cement, glass, sewer pipe, brick flower pot, thermal insulation, refractory and pottery industries of the State indicate the diversity of ceramic industries which South Carolina is capable of supporting.

The ceramic industrial growth of South Carolina has been retarded by the absence of persons with a knowledge of ceramic manufacturing processes. The ceramic industries of today are no longer small colorful enterprises which can be operated by persons of dubious skill. Instead they are large manufacturing plants requiring trained engineers for their supervision. The growth of South Carolina's ceramic industries is dependent on the availability of trained engineers capable of incorporating and operating the modern techniques and equipment of the ceramic industries.

The demand for ceramic engineers has not been satisfied by American Colleges for many years including the years of the last depression. The curriculum in Ceramic Engineering is offered with the aim of partially supplying the demand for ceramic engineers in this region and providing trained engineers for the development of the latent resources of South Carolina.

The curriculum in Ceramic Engineering leads to the degree of Bachelor of Ceramic Engineering. The course is based on a thorough study of the sciences of chemistry, physics and mathematics. Advanced courses are designed to apply these fundamental sciences to Ceramic Engineering. A knowledge is required of the fundamentals of civil, electrical, and mechanical engineering. Extensive work is required in mechanical drawing. The need for a knowledge of the identification and occurrence of the numerous ceramic raw materials is satisfied with courses in geology, mineralogy and petrography. In the Ceramic Engineering courses, emphasis is placed on the processes of manufacture common to all the ceramic industries while the more advanced courses are concerned with the characteristics peculiar to specific classifications of the ceramic industries. The course in plant design offered in the senior year requires the application of principles acquired in previous courses. The Ceramic Engineering student may choose certain elective courses from the humanistic and social subjects.

An excellent ceramic laboratory has been equipped to demonstrate all the processes of ceramic manufacturing, including beneficiation of ores and clays, grinding and crushing materials, mixing and blending raw materials, forming the materials into various shapes, and drying and firing the prepared objects. Equipment for the control of industrial processes is studied and tests are made to determine the quality of various ceramic products. Well-equipped laboratories are available for research on raw materials and problems of ceramic industries in South Carolina.

Ceramic Engineering graduates find employment as plant executives, research engineers, plant-control engineers, sales engineers, product control engineers, plant designers and constructors, equipment manufacturers, consulting engineers, and ceramic chemists and technologists.

CERAMIC ENGINEERING

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or C E 101 Elem. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

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Second Semester

Chem 104 General Chemistry.....	4 (3,3)
C E 101 Elem. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Geol 406 Engr. Geology.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

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Cr En 202 Ceramic Materials.....	2 (2,0)
Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

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JUNIOR YEAR

Cr En 301 Drying & Firing.....	5 (3,6)
Geol 306 Mineralogy.....	4 (3,3)
M E 305 Heat Power.....	3 (3,0)
M E 309 Mechanical Lab.....	1 (0,3)
Mech 302 Statics.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)
*Approved Elective.....	3

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Chem 336 Physical Chemistry.....	5 (5,0)
Geol 302 Optical Mineralogy.....	4 (3,3)
M E 306 Heat Power.....	3 (3,0)
M E 310 Mechanical Lab.....	1 (0,3)
Mech 303 Kinetics.....	3 (3,0)
M S 302 Military Drill.....	0 (0,3)
*Approved Elective.....	3

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SENIOR YEAR

Cr En 401 Silicates.....	5 (3,6)	Cr En 402 Refractories.....	3 (3,0)
Cr En 405 Plant Design.....	3 (0,9)	Cr En 404 Enamels.....	3 (3,0)
E E 303 Elec. Circuits & Machines.....	4 (3,3)	Cr En 406 Ceramic Project.....	2 (0,6)
Mech 304 Mech. of Matr.....	3 (3,0)	Cr En 408 Plant Design.....	2 (0,6)
Mech 305 Mech. of Matr. Lab.....	1 (0,3)	Engl 301 Public Speaking.....	3 (3,0)
M S 401 Military Drill.....	0 (0,3)	Econ 312 Commercial Law.....	3 (3,0)
*Approved Elective.....	2	M S 402 Military Drill.....	0 (0,3)
		*Approved Elective.....	3

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*Electives: A student who does not take advanced ROTC is required to take most, if not all, his electives from the humanistic social studies.

CHEMICAL ENGINEERING

The curriculum in Chemical Engineering is designed to give a sound training in Chemical Engineering for those who wish to enter the process industries. In addition to the direct work in Unit Operations and Unit Processes, a solid background of chemistry, mathematics, physics, and general engineering is provided. The ever changing and increasingly complex chemical industry demands a well trained, adaptive personnel. The rule-of-thumb methods of the turn of the century are no longer adequate for the chemical engineer's principal tasks, design and operation of process plants and converting the discoveries of the research laboratory into industrial reality.

Chemical Engineering graduates are principally employed in direct manufacturing, research and development work, technical service, and in the sales divisions of chemical and allied industrial organizations.

CHEMICAL ENGINEERING

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 103 General Chemistry.....	4 (3,3)	Chem 104 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)	C E 101 Elem. Surveying.....	2 (1,3)
Engl 101 Comp. and Lit.....	3 (3,0)	or In En 101 Metal Processes.....	2 (0,6)
In En 101 Metal Processes.....	2 (0,6)	D D 106 Engr. Drawing.....	2 (0,6)
or C E 101 Elem. Surveying.....	2 (1,3)	Engl 102 Comp. and Lit.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)	Math 104 Freshman Math.....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)	M S 102 Military Drill.....	0 (0,3)
M S 103 M. S. & T. Basic.....	1 (2,0)	M S 104 M. S. & T.—Basic.....	1 (2,0)

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SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)	Ch En 202 Intro. to Chem. Engr.....	3 (3,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Chem 216 Quan. Analysis.....	4 (2,6)
In En 201 Metal Processes.....	2 (0,6)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)	Math 204 Integral Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)	Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)	Phys 214 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)	M S 204 M. S. & T.—Basic.....	1 (2,0)

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JUNIOR YEAR

Ch En 301 Prin. Chem. Engr.	3 (3,0)	Ch En 302 Prin. Chem. Engr.	3 (3,0)
Ch En 305 Unit Operations	1 (0,3)	Ch En 306 Unit Operations	1 (0,3)
Chem 221 Organic Chemistry	5 (3,6)	Chem 222 Organic Chemistry	5 (3,6)
Chem 331 Physical Chemistry	3 (3,0)	Chem 332 Physical Chemistry	3 (3,0)
Chem 333 Phys. Chem. Lab.	2 (0,6)	Chem 334 Phys. Chem. Lab.	2 (0,6)
Mech 302 Statics	3 (3,0)	Mech 303 Kinetics	3 (3,0)
M S 301 Military Drill	0 (0,3)	M S 302 Military Drill	0 (0,3)
Approved Elective	3	Approved Elective	3
	20		20

SENIOR YEAR

Ch En 401 Prin. Chem. Engr.	3 (3,0)	Ch En 404 Chem. Industries	3 (3,0)
Ch En 403 Chem. Industries	3 (3,0)	Ch En 406 Ind. Chem. Calc.	2 (2,0)
Ch En 405 Unit Operations	2 (0,6)	Ch En 410 Plant Design	2 (0,6)
Ch En 409 Plant Design	2 (0,6)	Ch En 412 Thesis	3 (0,9)
Ch En 415 Ch. En. Seminar	0 (1,0)	Ch En 416 Ch. En. Seminar	0 (1,0)
E E 303 Elec. Circuits & Mach.	4 (3,3)	M E 302 Mech. Engr.	3 (3,0)
M S 401 Military Drill	0 (0,3)	M E 304 Mech. Engr. Lab.	1 (0,3)
Approved Electives	4	M S 402 Military Drill	0 (0,3)
	18	Approved Elective	3

Suggested Electives:	
Chem 431 Colloid Chemistry	2 (2,0)
Econ 201 Prin. of Economics	3 (3,0)
Econ 301 Labor Problems	3 (3,0)
Econ 401 Accounting	3 (3,0)
Elective English	3 (3,0)
Hist 303 Hist. of Civ.	3 (3,0)
Modern Language	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)

Suggested Electives:	
Chem 432 Colloid Chemistry	2 (2,0)
Econ 202 Prin. of Economics	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Elective English	3 (3,0)
Gov 43 Internat'l. Relat.	2 (2,0)
Hist 304 Hist. of Civ.	3 (3,0)
Modern Language	3 (3,0)
Phys 452 Atom and Nucl. Ph.	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)

CIVIL ENGINEERING

Civil engineering is the broadest in scope of the engineering professions, being the parent stem from which most of the other branches of engineering have developed. All branches of civil engineering rest on a comparatively compact body of principles, in which the students are thoroughly trained in the class room, the drafting room, the laboratory, and the field. Particular effort is made to develop those quantities essential to success in any field of endeavor and to fit the graduate to become a useful citizen—a good business man as well as a successful engineer.

The course in Civil Engineering leads to the degree of Bachelor of Civil Engineering. It is planned to equip the student with a working knowledge of those subjects which are fundamental in the field of civil engineering.

The curriculum for the first three years is the same for all civil engineering students. In his senior year each student may make limited selection of technical electives in order to major

in a General, Construction, or Sanitary option. However, each option requires specific and related courses so chosen as to round out the student's education in fundamentals and to qualify him to enter any branch of civil engineering which he chooses or in which he may find employment. The civil engineering graduate is prepared to work in practically all of the civil engineering fields, including surveying and mapping, design and construction of bridges, buildings, railways, highways, hydraulic, municipal and sanitary works.

A summer surveying camp is held on the campus during the regular summer school session and all civil engineering students are required to attend at the end of their sophomore year. All surveying courses with the exception of CE 101, Elementary Surveying, are given during this camp.

In addition to the required technical studies, broadening training in the field of humanities is given.

CIVIL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engineering Drawing	2 (0,6)
Engr 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101—Elem. Surveying	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. and T. Basic	1 (2,0)

Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Elem. Surveying	2 (1,3)
or in En 101—Metal Processes	2 (0,6)
D D 106 Engineering Drawing	2 (0,6)
Engr 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T. Basic	1 (2,0)

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SOPHOMORE YEAR

C E 205 C. E. Problems	2 (1,3)
Econ 201 Prin. of Economics	3 (3,0)
Engr 203 Survey of Engr. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 Gen. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S or A S	1 (2,0)

Engr 204 Survey of Engr. Lit.	3 (3,0)
Math 204 Int. Calculus	5 (5,0)
Mech 302 Statics	3 (3,0)
Mech 306 Graphic Statics	1 (0,3)
Phys 212 Gen. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S or A S	1 (2,0)

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SUMMER SURVEY CAMP

C E 301 Surveying	4 (0,12)
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C E 305 Route Surveying	3 (2,3)
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JUNIOR YEAR

C E 307 Roads and Pavements	4 (3,3)
C E 309 Stress Analysis	2 (0,6)
C E 317 Materials of Constr.	3 (3,0)
E E 303 Elect. Cir. and Mach.	4 (3,3)
Mech 304 Mech. of Matr.	3 (3,0)
Mech 305 Mech. of Matr. Lab.	1 (0,3)
M S 301 Military Drill	0 (0,3)
M S or Approved Elective	3

C E 310 Elem. Design	2 (0,6)
Engr 301 Public Speaking	3 (3,0)
Geol 406 Engr. Geology	3 (3,0)
M E 302 Mech. Engr.	3 (3,0)
M E 307 Mech. Engr. Lab.	1 (0,3)
Mech 401 Fluid Mech.	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)
M S 302 Military Drill	0 (0,3)
M S or Approved Elective	3

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SENIOR YEAR

C E 401 Structural Design	3 (2,3)	C E 410 Sanitary Engr.	4 (3,3)
C E 409 Reinforced Concrete	4 (3,3)	C E 414 Soil Mech.	3 (2,3)
C E 421 Contracts	2 (2,0)	M S 402 Military Drill	0 (0,3)
M S 401 Military Drill	0 (0,3)	M S or Approved Elective	3
M S or Approved Elective	3	Technical Electives	6
Technical Electives	5		

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CONSTRUCTION OPTION

Those students selecting the construction option will elect the following courses in their senior year as their technical electives:

Arch 417 Working Drawings	2 (0,6)	C E 420 Concrete Mixes	1 (0,3)
Econ 401 Elementary Accounting	3 (3,0)	C E 432 Construction Practices	2 (2,0)
		C E 434 Construction Costs and Estimates	3 (2,3)
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SANITARY OPTION

Those students selecting the sanitary option will elect the following courses in their senior year as their technical electives:

C E 411 Environmental Sanitation	3 (3,0)	Bact 406, 408 Sanitary Bact.	4 (3,3)
C E 417 City Planning	2 (2,0)	Ch En 422 Industrial Waste Treatment	2 (2,0)
	5		6

GENERAL OPTION

Those students selecting the general option will elect a minimum of 11 credits in their senior year from the following courses:

C E 417 City Planning	2 (2,0)	C E 402 Structural Anal.	2 (2,0)
C E 319 Gen. Photogrammetry	3 (3,0)	C E 412 Rein. Conc. Design.	2 (0,6)
Econ 401 Elem. Accounting	3 (3,0)	C E 420 Concrete Mixes	1 (0,3)
Arch 417 Working Drawings	2 (0,6)	C E 432 Construction Practices	2 (2,0)
Arch 419 Mech. Plant	2 (1,3)	C E 434 Const. Costs & Estimates	3 (2,3)
C E 411 Environmental Sanitation	3 (3,0)	C E 452 Adv. Struc. Analysis	2 (2,0)
Math 451 Vector Analysis	3 (3,0)	Mech 460 Hydrology	3 (3,0)

ELECTRICAL ENGINEERING

Engineering deals fundamentally with the control of the energies of nature. Electrical Engineering is that branch of engineering which embraces the conversion of primary energy into electrical form, the transmission and the application of this energy to innumerable devices designed for human service. Some of the more notable applications are domestic appliances, illumination, transportation, communication, and industry motorization.

The curriculum for students in Electrical Engineering contains a selected series of fundamental studies which enable the student to enter any division of the field of Electrical Engineering. In addition the curriculum includes a selected group of broadening and cultural studies.

The first two years are devoted largely to basic sciences and other subjects prerequisite to the general field of engineering.

The work of the last two years is more specialized and embraces required and elective courses which are pertinent to the two major fields, Power Engineering and Communication Engineering.

The theoretical courses in science and engineering are paralleled and reinforced by strong laboratory courses through which the student may make his own determinations of the characteristics of engineering materials and machines and other electrical devices. The laboratories are well equipped for this work.

The entire course is directed toward the development of initiative and self-reliance, so that the student may enter his chosen field with reasonable hope of usefulness and success.

ELECTRICAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engr 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Elem. Survey.	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Elem. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engr 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

E E 211 Electric Circuits	3 (3,0)
Econ 201 Prin. of Economics	3 (3,0)
or In En 201 Metal Processes	2 (0,6)
Engr 203 Survey of Engr. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S or A S	1 (2,0)

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E E 212 Electric Fields	3 (2,3)
Engr 204 Survey of Engr. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
or Econ 201 Prin. of Econ.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S or A S	1 (2,0)

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JUNIOR YEAR

E E 311 D. C. Machinery	4 (3,3)
E E 315 A. C. Circuits	3 (3,0)
Engr 301 Public Speaking	3 (3,0)
M E 305 Heat Power	5 (3,0)
M E 309 Mechanical Lab.	1 (0,3)
Mech 302 Statics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

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E E 316 A. C. Circuits	4 (3,3)
E E 320 Electronics	4 (3,3)
M E 306 Heat Power	3 (3,0)
M E 310 Mechanical Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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SENIOR YEAR

E E 411 A. C. Machinery	5 (3,6)	E E 412 A. C. Machinery	4 (3,3)
E E 415 Advanced Circuits	3 (3,0)	M E 420 Administration	3 (3,0)
Hist 301 U. S. since 1865	3 (3,0)	Mech 304 Mech. of Matr.	3 (3,0)
M S 401 Military Drill	0 (0,3)	M S 402 Military Drill	0 (0,3)
Technical Elective	5	Technical Elective	7
Approved Elective	3	Approved Elective	3

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Suggested Technical Electives:	
E E 405 Electrical Design	1 (0,3)
E E 406 Electrical Design	1 (0,3)
E E 422 Elect. Distribution	2 (2,0)
E E 425 Elect. Transients	3 (2,3)
E E 427 Adv. A. C. Mach.	3 (3,0)
E E 431 Radio Communication	4 (3,3)
E E 432 Radio Communication	4 (3,3)
E E 434 Indus. Electronics	3 (2,3)
E E 436 Rad. & Wave Prop.	3 (2,3)
Math 306 Differential Equations	3 (3,0)
M E 411 Heat Power	3 (3,0)
M E 413 Heat Power Lab.	2 (0,6)
M E 426 Steam Turbines	3 (3,0)
Mech 401 Fluid Mechanics	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)

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Suggested General Electives:	
Econ 202 Prin. of Econ.	3 (3,0)
Econ 301 Labor Problems	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Econ 401 Accounting	3 (3,0)
Elective English	3 (3,0)
Gov 43 Internat'l. Relations	2 (2,0)
Hist 303 Hist. of Civ.	3 (3,0)
Hist 304 Hist. of Civ.	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)

MECHANICAL ENGINEERING

Mechanical Engineering deals largely with the production of power from prime sources of energy and the design of the wide variety of mechanisms involved in the production and use of this power and, therefore, necessitates a study of thermodynamics, mechanics, strength of materials, metallurgy, and hydraulics.

The economic aspects of all engineering are emphasized as much as possible and the program is conducted so as to encourage orderly habits of attack and analysis with the main emphasis on why rather than how.

Mechanical Engineering graduates work with the production of power from fuel and water, with the construction and operation of machines used in manufacturing, and with the operation of power industries and manufacturing plants. In addition to the power companies and large electric and manufacturing concerns where many graduates are employed, opportunities are numerous in the automotive, aeronautical, railroad, air conditioning and refrigeration industries. The vast power developments and manufacturing uses of power promise even greater opportunities for mechanical engineers.

MECHANICAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engr 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Elem. Survey.	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Elem. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engr 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Engr 203 Survey of Engr. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
or In En 202 Wood Proc.	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)
M E 211 Mech. Engr.	2 (2,0)
M E 213 Engr. Problems	1 (0,3)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S or A S	1 (2,0)

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Engr 204 Survey of Engr. Lit.	3 (3,0)
In En 202 Wood Processes	2 (0,6)
or In En 201 Metal Processes	2 (0,6)
Math 204 Integral Calculus	5 (5,0)
Mech 302 Statics	3 (3,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S or A S	1 (2,0)

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JUNIOR YEAR

D D 305 Kinematics of Mach.	2 (1,3)
Econ 201 Prin. of Economics	3 (3,0)
E E 307 D. C. Cir. & Mach.	4 (3,3)
M E 311 Heat Power	3 (3,0)
M E 313 Heat Power Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

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D D 306 Machine Design	2 (1,3)
E E 308 A. C. Cir. & Mach.	4 (3,3)
Engr 301 Public Speaking	3 (3,0)
M E 312 Heat Power	3 (3,0)
M E 314 Heat Power Lab.	1 (0,3)
Mech 304 Mech. of Matr.	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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SENIOR YEAR

Hist 301 U. S. since 1865	3 (3,0)
M E 411 Heat Power	3 (3,0)
M E 413 Heat Power Lab.	2 (0,6)
Mech 401 Fluid Mechanics	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)
M S 401 Military Drill	0 (0,3)
*Technical Elective	5
Approved Elective	3

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In En 402 Metallurgy	3 (2,3)
M E 412 Heat Power	3 (3,0)
M E 414 Heat Power Lab.	2 (0,6)
M E 420 Administration	3 (3,0)
M S 402 Military Drill	0 (0,3)
*Technical Elective	6
Approved Elective	3

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*2 Courses in Design required in the Senior year.

Technical Electives:	
C E 309 Stress Analysis	2 (0,6)
M E 417 Design	2 (1,3)
M E 421 Gas Engines	3 (3,0)
M E 423 Gas Engine Design	1 (0,3)
M E 429 Heating and Vent.	2 (2,0)
M E 431 Heat. & Vent. Des.	1 (0,3)
M E 433 Elem. Aerodynamics	2 (2,0)
Mech 460 Hydrology	3 (3,0)
Mech 462 Water Power Engr.	3 (3,0)
General Electives:	
Econ 301 Labor Problems	3 (3,0)
Econ 401 Accounting	3 (3,0)
Hist 303 Hist. of Civ.	3 (3,0)
Math 305 Intermediate Calc.	3 (3,0)
Math 463 Advanced Calculus	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
T M 401 Textile Costing	5 (3,6)
T M 403 Textile Management	3 (3,0)
T M 454 Time Study	3 (2,3)

Technical Electives:	
E E 320 Electronics	4 (3,3)
M E 418 Design	2 (1,3)
M E 426 Steam Turbines	3 (3,0)
M E 428 Steam Turbine Design	1 (0,3)
M E 430 Air Conditioning	2 (2,0)
M E 432 Air Cond. Des.	1 (0,3)
M E 434 Refrigeration	2 (2,0)
General Electives:	
Econ 202 Prin. of Economics	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Elective English	3 (3,0)
Hist 304 Hist. of Civ.	3 (3,0)
Math 306 Ord. Diff. Equa.	3 (3,0)
Math 454 Advanced Calculus	3 (3,0)
Phys 462 Atom and Nucl. Ph.	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Rel 201, 203 or 305	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)
T M 101 Intro. to Textiles	3 (2,3)

SCHOOL OF TEXTILES

The great majority of the textile corporations which produce textiles on the cotton system are now located in the South-eastern States, centering in South Carolina and neighboring states. This makes Clemson College an appropriate institution for college training in this field.

There is a trend in the demand for some graduates with training in the basic engineering sciences; therefore, the Textile Engineering course has been modified to meet this demand.

The Clemson Textile School now offers three courses leading to the degree of Bachelor of Science: Textile Chemistry, Textile Engineering, and Textile Manufacturing. Knitting is offered as an option under Textile Manufacturing.

The Sirrine Foundation. The funds in this foundation have been contributed by the textile companies in the State and now total nearly one million dollars, which figure is expected to be exceeded soon. The interest from this large fund is used exclusively for the School of Textiles at Clemson, primarily to improve the teaching staff. Under the present plans, the textile faculty is benefiting in three ways. (1) For all faculty members retiring with the rank of associate or full professor, the retirement payments by the State are enhanced to 85 percent of the member's full salary (to 100 percent for heads of departments). (2) The foundation contributes half of the salary for an extra professor in each of three departments. The additional faculty members have research projects but take classes for short periods to enable the regular teachers to visit mills, attend conferences, etc. (3) The foundation greatly increases the travel funds to aid the visitation and study of the mills in the State. Plans for the use of additional funds are to be announced later.

TEXTILE CHEMISTRY

The work of textile chemists includes the various phases of textile coloring, bleaching, printing, dyeing, and finishing of textile yarns and fabrics, as well as the manufacture and sale of dyestuffs. Graduates have positions such as bleachery chemist, dye foreman, designer, laboratory chemist, textile chemist, research assistant, and sales representative.

TEXTILE CHEMISTRY

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
Gov 101 Am. Nat'l. Gov't.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 104 General Chemistry	4 (3,3)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
T M 101 Intro. to Textiles	3 (2,3)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Chem 215 Qual. Analysis	4 (2,6)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
W D 201 Fabric Design	3 (2,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

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Chem 216 Quan. Analysis	4 (2,6)
Econ 201 Prin. of Economics	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

Chem 331 Physical Chemistry	3 (3,0)
Chem 333 Phys. Chem. Lab.	2 (0,6)
Engl 301 Public Speaking	3 (3,0)
T C 305 Textile Chemistry	4 (4,0)
T C 307 Tex. Chem. Lab.	1 (0,3)
Y M 305 Cotton Marketing	1 (0,3)
M S 301 Military Drill	0 (0,3)
*Approved Elective	3

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Chem 332 Physical Chemistry	3 (3,0)
Chem 334 Phys. Chem. Lab.	2 (0,6)
Econ 312 Commercial Law	3 (3,0)
T C 306 Textile Chemistry	4 (4,0)
T C 308 Tex. Chem. Lab.	1 (0,3)
M S 302 Military Drill	0 (0,3)
*Approved Electives	6

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SENIOR YEAR

Chem 431 Colloid Chemistry	2 (2,0)
T C 410 Color Match. & Test.	1 (0,3)
T C 447 Chem. Proc. Tex.	4 (4,0)
T C 449 Ch. Pr. Tex. Lab.	1 (0,3)
T C 455 Cellulose Chem.	3 (3,0)
T M 462 Textile Microscopy	2 (1,3)
T M 464 Phys. Tex. Testing	2 (1,3)
M S 401 Military Drill	0 (0,3)
*Approved Elective	4

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Chem 432 Colloid Chemistry	2 (2,0)
T C 442 Thesis	2 (0,6)
T C 452 Chem. Proc. Tex.	4 (4,0)
T C 454 Ch. Pr. Tex. Lab.	1 (0,3)
T C 456 Syn. Fbrs. & Fin.	2 (2,0)
T M 454 Time Study	3 (2,3)
M S 402 Military Drill	0 (0,3)
*Approved Elective	5

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*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Government, History and Religion except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:

Ag Ec 401 Statistics	4 (3,3)
Arch 409 Art Appreciation	3 (3,0)
Ch En 301 Prin. Chem. Engr.	3 (3,0)
Ch En 305 Unit Operations	1 (0,3)
Ch En 405 Unit Operations	2 (0,6)
Chem 401 Inorganic Chemistry	3 (3,0)
Chem 411 Adv. Quant. Anal.	3 (1,6)
E E 308 Elec. Circuits & Mach.	4 (3,3)
Ent 301 Elem. & Econ. Ent.	3 (2,3)
Ent 401 Econ. Entomology	3 (2,3)
Geog 301 Economic Geography	3 (3,0)

Other Suggested Electives:

Ag Ec 352 Public Finance	3 (3,0)
Ch En 302 Prin. Chem. Engr.	3 (3,0)
Ch En 306 Unit Operations	1 (0,3)
Ch En 406 Ind. Chem. Calc.	2 (2,0)
Chem 462 Technical Analysis	3 (1,6)
Chem 472 Organic Synthesis	4 (1,9)
Geog 302 Geopolitics	3 (3,0)
Geol 306 Mineralogy	4 (3,3)

TEXTILE ENGINEERING

Students following the Textile Engineering curriculum receive instruction in basic textile courses for a total of thirty-six college credits; the remainder are in Physics, Mathematics, English, Economics, and Mechanical and Electrical Engineering. Graduates in this course are prepared to enter the research and development fields which are being emphasized by the textile industry, and they are also prepared to go forward with post-graduate studies.

TEXTILE ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Elem. Surveying	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Elem. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
Y M 201 Blend. & Cleaning	3 (2,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

Engl 204 Survey of Eng. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Mech 302 Statics	3 (3,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
Y M 202 Carding	3 (2,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

D D 305 Kinematics of Mach.	2 (1,3)
E E 307 D. C. Cir. & Mach.	4 (3,3)
Mech 303 Kinetics	3 (3,0)
W D 201 Fabric Design	3 (2,3)
W D 205 Cam Loom Mech.	1 (0,3)
Y M 301 Roving Frames	3 (2,3)
M S 301 Military Drill	0 (0,3)
*Approved Elective	3

D D 306 Machine Design	2 (1,3)
E E 308 A. C. Cir. & Mach.	4 (3,3)
Mech 304 Mech. of Matr.	3 (3,0)
W D 202 Fabric Design	2 (1,3)
W D 206 Cam Loom Mech.	2 (1,3)
Y M 302 Spinning	3 (2,3)
M S 302 Military Drill	0 (0,3)
*Approved Elective	3

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SENIOR YEAR

Econ 201 Prin. of Economics	3 (3,0)
Engl 301 Public Speaking	3 (3,0)
M E 305 Heat Power	3 (3,0)
M E 309 Mechanical Lab.	1 (0,3)
T M 401 Textile Costing	5 (3,6)
T M 403 Textile Management	3 (3,0)
M S 401 Military Drill	0 (0,3)
*Approved Elective	3

Econ 312 Commercial Law	3 (3,0)
M E 306 Heat Power	3 (3,0)
M E 310 Mechanical Lab.	1 (0,3)
T M 454 Time Study	3 (2,3)
T M 462 Textile Microscopy	2 (1,3)
T M 464 Phys. Tex. Testing	2 (1,3)
W D 305 Dobby & Box Meeh.	1 (0,3)
M S 402 Military Drill	0 (0,3)
*Approved Elective	3

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*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Mechanics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Government, History and Religion; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:

Ag Ec 401 Statistics	4 (3,3)
Arch 409 Art Appreciation	3 (3,0)
Geog 301 Economic Geography	3 (3,0)
Gov 301 Am. G. & Pol. Par.	3 (3,0)
In En 205 Construction Materials	2 (2,0)
M E 421 Gas Engines	3 (3,0)
M E 423 Gas Engines Design	1 (0,3)
M E 429 Heating and Vent.	2 (2,0)
M E 431 Heat. & Vent. Des.	1 (0,3)

Other Suggested Electives:

Ag Ec 352 Public Finance	3 (3,0)
E E 320 Electronics	4 (3,3)
Geog 302 Geopolitics	3 (3,0)
In En 302 Welding	2 (1,3)
In En 402 Metallurgy	3 (3,0)
M E 430 Air Conditioning	2 (2,0)
M E 432 Air Cond. Des.	1 (0,3)
M E 434 Refrigeration	2 (2,0)

TEXTILE MANUFACTURING

The Textile Manufacturing curriculum is followed by those textile students who intend to enter the production and management phases of the textile industry. Those students who desire training in the knitting field may elect to take the Knitting Option under Textile Manufacturing during the Junior and Senior years. The curriculum shows that they receive sixty-five of their college credits in subjects taught in the Textile School and that they are well prepared for rapid advancement in textile plants. It is recommended that all textile undergraduates find work in textile mills during summer vacations. This experience always aids them in their upperclass textile courses and also allows the students to make contacts with possible future employers.

TEXTILE MANUFACTURING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
Gov 101 Am. Nat'l. Gov't.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
T M 101 Intro. to Textiles	3 (2,3)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

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SOPHOMORE YEAR

Econ 201 Prin. of Economics	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
W D 201 Fabric Design	3 (2,3)
W D 205 Cam Loom Mech.	1 (0,3)
Y M 201 Blend. & Cleaning	3 (2,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

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Econ 202 Prin. of Economics	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
W D 202 Fabric Design	2 (1,3)
W D 206 Cam Loom Mech.	2 (1,3)
Y M 202 Carding	3 (2,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

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JUNIOR YEAR

Engl 301 Public Speaking	3 (3,0)	Econ 312 Commercial Law	3 (3,0)
T C 301 Textile Chemistry	2 (2,0)	T C 302 Textile Chemistry	2 (2,0)
T C 303 Tex. Chem. Lab.	1 (0,3)	T C 304 Tex. Chem. Lab.	1 (0,3)
W D 301 Fab. Struc. & Des.	2 (1,3)	W D 302 Fab. Analysis	2 (1,3)
W D 305 Dobby & Box Mech.	1 (0,3)	W D 306 Jacquard Mech.	2 (1,3)
W D 309 Knitting	1 (0,3)	Y M 302 Spinning	3 (2,3)
Y M 301 Roving Frames	3 (2,3)	Y M 305 Cotton Marketing	1 (0,3)
M S 301 Military Drill	0 (0,3)	Y M 306 Combing	2 (1,3)
*Approved Electives	6	M S 302 Military Drill	0 (0,3)
		*Approved Elective	3

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SENIOR YEAR

Econ 401 Accounting	3 (3,0)	Soc 301 Intro. Sociology	3 (3,0)
T C 401 Chem. Proc. Tex.	2 (2,0)	T C 402 Chem. Proc. Tex.	2 (2,0)
T C 403 Ch. Pr. Tex. Lab.	1 (0,3)	T C 404 Ch. Pr. Tex. Lab.	1 (0,3)
T M 401 Textile Costing	5 (3,6)	T M 454 Time Study	3 (2,3)
T M 403 Textile Management	3 (3,0)	T M 462 Textile Microscopy	2 (1,3)
W D 401 Warp Preparation	2 (1,3)	T M 464 Phys. Tex. Testing	2 (1,3)
M S 401 Military Drill	0 (0,3)	W D 402 Fabric Development	2 (1,3)
*Approved Elective	3	M S 402 Military Drill	0 (0,3)
		*Approved Electives	6

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*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Education (if nine credits completed, accepting credit for lower course if it is a prerequisite), Government, History and Religion except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:

Ag Ec 401 Statistics	4 (3,3)
Arch 409 Art Appreciation	3 (3,0)
Geog 301 Economic Geography	3 (3,0)

Other Suggested Electives:

Ag Ec 352 Public Finance	3 (3,0)
Geog 302 Geopolitics	3 (3,0)

KNITTING OPTION

This option for the Junior and Senior years has been set up under Textile Manufacturing to embrace every phase of the knitting industry. Students will study such fields as circular body knitting and design, circular hosiery knitting and design, flat and warp knitting, full fashioned knitting, knit garment manufacture, dyeing and finishing of knit goods, and knitting mill practices. Because of the selected courses in this curriculum, students will not only be prepared for the knitting industry, but for almost any other field in textiles, especially yarn manufacturing.

JUNIOR YEAR

First Semester

Engl 301 Public Speaking	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)
T C 301 Textile Chemistry	2 (2,0)
T C 303 Tex. Chem. Lab.	1 (0,3)
W D 309 Knitting	1 (0,3)
W D 311 Flat Knitting Mech.	2 (1,3)
Y M 301 Roving Frames	3 (2,3)
Y M 305 Cotton Marketing	1 (0,3)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

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Second Semester

Econ 312 Commercial Law	3 (3,0)
T C 302 Textile Chemistry	2 (2,0)
T C 304 Tex. Chem. Lab.	1 (0,3)
W D 310 Adv. Hos. Knitting	3 (2,3)
W D 312 Knit. Design & Anal.	2 (1,3)
Y M 302 Spinning	3 (2,3)
Y M 306 Combing	2 (1,3)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

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SENIOR YEAR

Econ 401 Accounting.....	3 (3,0)	T C 402 Chem. Proc. Tex.....	2 (2,0)
T C 401 Chem. Proc. Tex.....	2 (2,0)	T C 404 Ch. Pr. Tex. Lab.....	1 (0,3)
T C 403 Ch. Pr. Tex. Lab.....	1 (0,3)	T M 403 Textile Management.....	3 (3,0)
T M 401 Textile Costing.....	5 (3,6)	T M 462 Textile Microscopy.....	2 (1,3)
T M 454 Time Study.....	3 (2,3)	T M 464 Textile Testing.....	2 (1,3)
W D 411 Full Fashion Knit.....	2 (1,3)	W D 410 Body Wear Knit.....	2 (1,3)
M S 401 Military Drill.....	0 (0,3)	W D 412 Knit. Garment Mfg.....	2 (1,3)
Approved Elective	4	M S 402 Military Drill.....	0 (0,3)
		Approved Electives	6

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DESCRIPTION OF COURSES

AGRICULTURAL ECONOMICS

	MR. AULL	
MR. FERRIER	MR. STEPP	MR. BAUKNIGHT
MR. PETERSON	MR. SMITH	

AG EC 201—INTRODUCTION TO AGRICULTURAL ECONOMICS—3 cr. (3 and 0)

A study of the economics of agricultural production and marketing and of the economic principles that are important in analyzing economic phenomena having direct or indirect effects upon the incomes and living standards of farm people.

AGRICULTURAL ECONOMICS STAFF

AG EC 302—FARM MANAGEMENT—4 cr. (3 and 3)

A study of business principles underlying the organization and operation of individual farms. Such factors as proper balance between enterprises and use of sound agronomic principles are considered from the viewpoint of continuous profits. *Prerequisite:* Ag Ec 201.

MR. BAUKNIGHT

AG EC 305—FARM ACCOUNTING—2 cr. (1 and 3)

Double-entry bookkeeping is stressed in the foundation of this course. Study is then made of special journals, simplifications for farm record keeping, farm inventories, farm budgets, interpretation of financial statements and the factor method of farm business analysis.

MR. FERRIER

AG EC 309—AGRICULTURAL MARKETING—3 cr. (2 and 3)

Examination is made of the characteristics of demand for and supply of farm products and the marketing system which brings them together, the changes which are taking place in marketing, and ways and means of narrowing the spread between farm and retail prices. *Prerequisites:* Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 352—PUBLIC FINANCE—3 cr. (3 and 0)

A study of the principles of financing government, sources of public revenue, objects of public expenditure, problems of fiscal administration, and the application of fiscal policies in stabilizing the national economy.

MR. AULL MR. STEPP

AG EC 356—AGRICULTURAL-INDUSTRIAL RELATIONS—3 cr. (3 and 0)

A study of the ways in which and the degrees to which agriculture and industry are dependent upon each other for sound economic prosperity and development, and of the effects upon agriculture of various types of activities in other segments of the national and international economy. *Prerequisites:* Ag Ec 201 or Econ 201 and 202.

MR. STEPP

AG EC 401—STATISTICS—4 cr. (3 and 3)

An elementary course dealing with organization and presentation of statistical data, measures of central tendency, sampling, and the usual statistical tests of significance and reliability.

MR. PETERSON

AG EC 405—SEMINAR—1 cr. (1 and 0)

An examination of the relation of economics and sociology to specific problems. *Prerequisite:* Senior standing and major in Agricultural Economics.

MR. AULL AND STAFF

AG EC 406—SEMINAR—1 cr. (1 and 0)

A continuation of Ag Ec 405.

MR. AULL AND STAFF

AG EC 451—ECONOMICS OF COOPERATION—3 cr. (3 and 0)

A study of the principles governing cooperative business enterprise and methods of applying these principles to purchasing, selling, processing, and financing in agriculture. Major emphasis is placed upon the possibilities and limitations of cooperation in increasing the incomes of farmers or rendering them better services for their money. *Prerequisites:* Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER MR. SMITH

AG EC 452—AGRICULTURAL POLICY—3 cr. (3 and 0)

A critical examination of government policies and programs affecting agriculture.

MR. AULL MR. PETERSON

AG EC 455—INTERNATIONAL TRADE—3 cr. (3 and 0)

A study of the principles governing interregional and international trade. Attention is devoted to competition between regions and nations, to regulatory and monetary measures that promote or retard the flow of trade, to the causes and effects of regional and national differences in incomes and levels of living, to the domestic and international effects of various monetary and credit policies, and to the effects of monopoly and government restrictions upon the international price structure of various commodities. *Prerequisite*: Permission of the instructor.

MR. STEPP

AG EC 456—PRICES—3 cr. (3 and 0)

A study of the factors affecting prices of farm products and the adjustments necessary to meet price changes, including such topics as prices of farm products in relation to agricultural and industrial conditions, measures of value, parity price concept, and price movements. *Prerequisites*: Ag Ec 201 or Econ 201 and 202, and permission of instructor.

MR. PETERSON

AG EC 460—AGRICULTURAL FINANCE—3 cr. (3 and 0)

A critical study of the financial needs of agriculture and of the organization, functions and interrelationships of agencies developed to meet these needs. *Prerequisites*: Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 462—APPLIED STATISTICS—3 cr. (2 and 3)

A study of methods used in collecting, analyzing and presenting statistical data, with special emphasis upon economic and sociological problems. *Prerequisite*: Ag Ec 401 or permission of instructor.

MR. PETERSON

AGRICULTURAL ENGINEERING

MR. NUTT

MR. McADAMS
MR. RICHARDSONMR. ROGERS
MR. SNELL

MR. WHELESS

AG EN 201—FARM MACHINERY—3 cr. (2 and 3)

Construction, adjustment, operation, maintenance and adaptation of farm machinery. Special emphasis is given to production, harvesting and processing problems common to the Southeast.

MR. RICHARDSON MR. ROGERS MR. WHELESS

AG EN 202—FARM EQUIPMENT—3 cr. (2 and 3)

A general study of all equipment used for modern farming practices. Special emphasis is placed on proper selection for the job, adaptation to special conditions, care, adjustments, and operation.

MR. ROGERS

AG EN 203—AGRICULTURAL ENGINEERING PROBLEMS—2 cr. (1 and 3)

A detailed study of the slide rule to familiarize the student with all the scales and their efficient use. Logical approach to all types of problems will be stressed. Neatness and accuracy in all computations will be emphasized and a review of the application of trigonometric functions and logarithms will be made. *Prerequisite:* Math 103 and 104.

MR. WHELESS

AG EN 205—FARM SHOP—3 cr. (2 and 3)

To train students in the proper use and maintenance of hand shop tools commonly found on the farm. Principal topics: Measuring and marking, sawing, planing and smoothing, wood chisels and their use, boring and drilling holes, wood fastenings, painting, finishing, glazing, cutting rafters, sharpening tools, bench and vise work, bolt threading, pipe fitting, soldering and farm concrete work. A course for agricultural and agricultural education students.

MR. McADAMS

AG EN 207—FARM MECHANICS—2 cr. (1 and 3)

A course in which the student acquires certain skills in the use of all types of tools and equipment necessary for the care and maintenance of farm machines and farm structures.

MR. McADAMS

AG EN 301—SOIL CONSERVATION—3 cr. (2 and 3)

Causes, extent and control of erosion; uses of irrigation, layout, construction and maintenance of terrace systems; drainage, elementary surveying. A course for agricultural and agricultural education students.

MR. SNELL

AG EN 304—RURAL ELECTRIFICATION—3 cr. (2 and 3)

Distribution and utilization of electrical power on farms and rural areas. Special emphasis is given to adequate wiring and adaptation of electrical appliances to the farm home and in the production and primary processing of farm commodities. *Prerequisite:* E E 303.

MR. WHELESS

AG EN 351—FARM TRACTORS—3 cr. (2 and 3)

History of the internal combustion engine, principles of operation, power and its measurements, valves, carburetion and fuel injection, ignition systems, engine cooling, clutches, transmissions, brakes, final drives, engine troubles and general repair. Tractor servicing and efficient operation in the field.

MR. McADAMS

AG EN 352—FARM POWER—3 cr. (2 and 3)

A detailed study of farm tractors and stationary power units. Principles of operation, preventative maintenance, adjustment and general repair will be emphasized. A course designed for Agricultural and Agricultural Education majors. *Prerequisite:* Ag En 201.

MR. ROGERS

AG EN 401—SOIL AND WATER CONSERVATION ENGINEERING—3 cr.
(2 and 3)

The causes, extent, and control of erosion. Embodies study of elementary meteorology and hydrology, critical runoffs, design and construction of water-control structures such as terraces, outlet channels, diversions, reservoirs, spillways, drainage systems. Recommended *prerequisite*: C E 101, Agron 202, and Mech 401.

MR. SNELL

AG EN 402—DRAINAGE AND IRRIGATION—3 cr. (2 and 3)

Survey of areas for drainage rainfall and runoff, drainage requirements, design and construction of open ditch and tile systems. Gravity and sprinkler irrigation systems studied as well as water requirements and the use of pumps. *Prerequisite*: C E 101 and Mech 401.

MR. SNELL

AG EN 406—ADVANCED FARM MACHINERY—3 cr. (2 and 3)

This course is designed for seniors majoring in agricultural engineering. Design, development, manufacturing, advertising and sales of farm machinery are considered. *Prerequisite*: Ag En 201 and 351.

MR. NUTT

AG EN 409—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

This course is provided to acquaint the student with research technique in the agricultural engineering field. *Prerequisite*: Senior standing in Agricultural Engineering.

AGRICULTURAL ENGINEERING STAFF

AG EN 410—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

A continuation of Ag En 409.

AGRICULTURAL ENGINEERING STAFF

AG EN 451—FARM STRUCTURES—3 cr. (2 and 3)

This course is planned to develop within the student an appreciation and understanding of the problems involved in determining the functional requirements of farm structures for livestock, crop storage and processing, as well as the analysis and determination of structural requirements for

various types of buildings. The use and workability of materials available for construction of farm buildings are also included. *Prerequisite:* M E 302 and 304.

MR. RICHARDSON

AG EN 452—ADVANCED FARM STRUCTURES—3 cr. (2 and 3)

A continuation of Ag En 451 with emphasis on farmstead arrangement and layout, design and evaluation of farm structure requirements, bills of materials and specifications. *Prerequisite:* Ag En 451.

MR. RICHARDSON

AGRONOMY

MR. COOPER

MR. COLLINGS

MR. JACKSON

*MR. C. M. JONES

*MR. J. W. JONES

*MR. SHELLEY

MR. HAMMONS

MR. RALLINGS

AGRON 101—FARM CROPS—3 cr. (3 and 0)

A fundamental course in general field crops including the study of the origin, botanical characteristics, varieties, breeding, soil adaptation, fertilizer requirements, and cultural methods employed in the production of the most important field crops of South Carolina and the United States.

MR. RALLINGS

AGRON 202—SOILS—3 cr. (2 and 3)

A study of the basic principles of soil physics, soil fertility, and soil biology as they apply to the production of crops. The course deals with the soil as a reservoir for water, a medium for root development, a source of nutrients, and a home for organisms. *Prerequisite:* Chem 101 and 102.

MR. COLLINGS AND STAFF

AGRON 301—FERTILIZERS AND MANURES—3 cr. (3 and 0)

A study of the sources, mining and manufacturing, composition, physical characteristics, and use of fertilizers and manures. A detailed study is also made of crop responses to fertilizer use. *Prerequisite:* Agron 202.

MR. COLLINGS

*On leave

AGRON 302—GENETICS—3 cr. (2 and 3)

The purpose of this course is to instruct students in the basic principles of genetics. The principal topics studied include heredity and variation, laws of inheritance, physical basis of inheritance, origin of hereditary differences, and the inheritance of quantitative characters.

MR. JACKSON

AGRON 306—FORAGE CROPS—3 cr. (3 and 0)

A course dealing with the characteristics of the various forage crops, with emphasis being laid on those grown in this state. These crops are studied with special reference to their adaptations, growing, harvesting, composition, value and uses, and also with reference to their place in our cropping system. *Prerequisite*: Agron 101.

MR. HAMMONS

AGRON 401—ADVANCED CROP LABORATORY—1 cr. (0 and 3)

A study of the laboratory procedures used in field crop laboratories, followed by a detailed study of the morphological characters, classification, and yielding capacities of important varieties of various farm crops. In addition, attention is given to the study of seed laws, market grades of grains, seed germination and purity tests, and weed identification.

MR. HAMMONS

AGRON 405—PLANT BREEDING—3 cr. (2 and 3)

The purpose of this course is to present the application of the basic principles of genetics to the improvement of crop plants. Principal topics studied include the genetic and cytogenetic basis of plant breeding, mode of reproduction in relation to breeding methods, technics in selfing and crossing, methods of breeding, inheritance in the major farm crops, and biometrical methods. *Prerequisite*: Agron 302.

MR. JACKSON

AGRON 409—COTTON AND TOBACCO—3 cr. (3 and 0)

A study of the history, morphology, physiology, fertilization, cultivation, insect and disease control, varieties, breeding, harvesting, grading and marketing of American Upland cotton and flue cured tobacco. The two crops are studied separately, about half a semester being devoted to each. *Prerequisite*: Agron 101.

MR. HAMMONS

AGRON 451—MINERAL NUTRITION OF PLANTS—2 cr. (2 and 0)

In this course attention is given to the nutrition of crop plants and the nutrient requirements of various soils for different crops.

MR. COOPER

AGRON 452—SOIL CLASSIFICATION, FERTILITY, AND MANAGEMENT—2 cr. (2 and 0)

An advanced study of soil composition, soil classification, and soil management practices. Attention is given to the subject of physical and chemical composition of the soil, influence of crop rotations and fertilizers on soil productivity, influence of various methods of tillage on crop yields, and a general study is made of those factors essential for the practical utilization of soils. *Prerequisite:* Agron 202, Agron 301, and Major in Agronomy.

MR. COLLINGS

AGRON 454—ADVANCED SOIL LABORATORY—1 cr. (0 and 3)

A laboratory course designed to teach students laboratory technique and to make students proficient in making simple physical and chemical determinations of soils. *Prerequisite:* Agron 202.

MR. COLLINGS

AGRON 455—SEMINAR—1 cr. (1 and 0)

A study of current agronomic topics of special interest in crop production appearing in recent scientific journals and other publications.

MR. COOPER AND STAFF

AGRON 456—SEMINAR—1 cr. (1 and 0)

A study of the latest published and available unpublished information concerning recent developments in the field of soil science. Topics for discussion are taken from latest published bulletins, reports, and professional magazines.

MR. COLLINGS

AGRON 457—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

The purpose of this course is to instruct students in the methods employed in attacking and solving an agronomic research problem. A suitable research problem is assigned each student for solution. The results of this study are presented in thesis form.

MR. COLLINGS

AGRON 458—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

A continuation of Agron 457.

MR. COLLINGS

AIR SCIENCE

MAJ. MYERS

CAPT. BEAVEN
1ST LT. ALLEN

1ST LT. DALTON
M/SGT. CERYANEC
M/SGT. DAVIS

T/SGT. FRIAS
S/SGT. PERRY

A S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in military courtesy, customs, discipline, and leadership. Principal topics include: duties of the individual airman, wearing of the uniform, duties of leaders, military commands and orders, guard duty, drill for foot troops, with and without arms, mechanics, characteristics and care of rifle, carbine and pistol, military formations and ceremonies.

STAFF

A S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 101. Principal additional topics include formal military ceremonies, development of the command voice and formal and informal guard mount.

STAFF

A S 103—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

General instruction in military subjects. Principal topics include military policy of the United States, National Defense Act and ROTC, geographical foundations of national power, military organization, mobilization, demobilization and hygiene and first aid.

LT. ALLEN

A S 104—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

A continuation of A S 103. Principal topics include military problems of the United States, psychology and personnel management, maps, and aerial photographs. *Prerequisite:* A S 103.

LT. ALLEN

A S 201—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 102.

STAFF

A S 202—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 201.

STAFF

A S 209—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

An introduction to air force specialized subjects including aerodynamics, propulsion, weather, navigation and applied air power. *Prerequisite:* A S 104.

CAPTAIN BEAVEN LT. DALTON

A S 210—AIR SCIENCE AND TACTICS—1 cr. (2 and 0)

A continuation of A S 209. Principal topics include an introduction to aircraft maintenance engineering, the maintenance mission, reciprocating engines, compound engines, and jet propulsion engines. *Prerequisite:* A S 209.

CAPTAIN BEAVEN LT. DALTON

A S 301—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 202. Principal additional topics include voice, command and psychology of leadership.

STAFF

A S 302—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 301.

STAFF

A S 309—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training in subjects pertaining to aircraft maintenance engineering. Principal topics include psychology of leadership, aircraft structures and component parts, maintenance and inspection procedures, technical publications, aircraft instruments, propellers, and electrical systems. *Prerequisite*: A S 210.

CAPTAIN BEAVEN

A S 310—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of A S 309. Principal topics include aircraft fuel, oil and hydraulic systems, air operations and logistics. *Prerequisite*: A S 309.

CAPTAIN BEAVEN

A S 401—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 302.

STAFF

A S 402—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 401.

STAFF

A S 409—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training designed to qualify the Air ROTC student as an aircraft maintenance engineering officer. Principal topics include military administration, air force supply, ground service equipment and organization and field maintenance. *Prerequisite*: A S 310.

LT. DALTON

A S 410—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of A S 409. Principal topics include military teaching methods, air force management, engine operation, cruise control, test flight and the air inspector. *Prerequisite*: A S 409.

LT. DALTON

ANIMAL HUSBANDRY

MR. STARKEY

MR. RITCHIE

MR. COOK

*MR. RICHARDSON

MR. GODLEY

A H 101, 103—TYPES AND BREEDS—3 cr. (2 and 3)

A study of types, breeds, and market classes of beef cattle, horses, sheep, and swine. In laboratory the judging of farm animals is given considerable emphasis.

MR. RITCHIE

A H 301—FEEDS AND FEEDING—3 cr. (3 and 0)

A study of feed nutrients, digestion, metabolism of feed stuffs, nutritive ratios, feeding standards, and the balancing of rations. *Prerequisite:* A H 101, 103 and Chem 220.

MR. COOK

A H 303—FEEDS AND FEEDING LABORATORY—1 cr. (0 and 3)

Practical work in mixing and balancing rations and identifying feed stuffs. *Prerequisite:* A H 101, 103 and Chem 220.

MR. COOK

A H 306—JUDGING—1 cr. (0 and 3)

Judging classes of cattle, horses, sheep, and swine. An advanced course in the selection and judging of breeding and fat animals. *Prerequisite:* A H 101 and 103.

MR. COOK

A H 310, 314—PORK PRODUCTION—3 cr. (2 and 3)

Feeding, breeding, management, and marketing of hogs. Emphasis is placed on winter and summer forages, protein supplements, mineral mixtures, and sanitation. *Prerequisite:* A H 301.

MR. STARKEY

*On leave

A H 312—BREEDS OF LIVESTOCK—2 cr. (2 and 0)

A study of the origin, characteristics, and adaptability of the different breeds of livestock: beef cattle, swine, sheep and horses. *Prerequisite:* A H 101 and 103.

MR. COOK

A H 401, 403—BEEF PRODUCTION—3 cr. (2 and 3)

A study of the early history of beef production, beef production in foreign countries, relation of beef production to general farming, most profitable feeds for beef production, methods of breeding to improve beef cattle, and management of the purebred herd. *Prerequisite:* A H 301.

MR. STARKEY

A H 402—HORSE AND SHEEP PRODUCTION—3 cr. (3 and 0)

A study of the breeding, feeding, training, stabling, and care of horses. Also a study of the breeding, feeding, shearing, and marketing of sheep. The adaptability of breeds. Parasites and diseases. *Prerequisite:* A H 301.

MR. GODLEY

A H 405—ADVANCED JUDGING—1 cr. (0 and 3)

A continuation of A H 306 designed for students who are interested in participating in judging contests or in receiving special training in the selection of breeding stock. *Prerequisite:* A H 306.

MR. COOK

A H 406—SEMINAR—2 cr. (2 and 0)

Special problems in animal production. Each student is given a subject on which he makes weekly reports of progress before the seminar group. A thesis is required. *Prerequisite:* A H 301.

MR. STARKEY

A H 451—ADVANCED FEEDS—2 cr. (2 and 0)

A study of the relative values of the different feeds used in livestock production. The nutrient requirements of the different classes of livestock, and the digestible nutrients in our most common feeds. The balancing of rations for all classes of livestock. *Prerequisite:* A H 301.

MR. STARKEY

A H 452, 454—ANIMAL BREEDING—3 cr. (2 and 3)

A study of the fundamental principles relating to the breeding and improvement of livestock including variation, heredity, selection, line-breeding, inbreeding, cross-breeding, breed analysis, and other related subjects. *Prerequisite*: Dairy 301 or Agron 302.

MR. GODLEY

A H 455—FARM MEATS—2 cr. (0 and 6)

A study of the selection and killing of meat animals and the cutting, curing, and preservation of farm meats. Also the production, judging, and consumption of farm meats. *Prerequisite*: A H 101 and 103.

MR. RITCHIE

A H 456, 458—ADVANCED MEATS—2 cr. (1 and 3)

A study of the retail and wholesale cuts of meat; the making of sausage and meat specialties; and meat hygiene. *Prerequisite*: A H 455.

MR. RITCHIE

ARCHITECTURE

MR. GATES

MR. ST. HUBERT
MR. BARRET
MR. HODGE

MR. McCULLOCH
MR. MEANS
MR. O'CONNELL

MR. PUTNAM
MR. WILKINS
MR. YOUNG

ARCH 101—ELEMENTS OF DESIGN—3 cr. (0 and 9)

This course acquaints the beginner with the fundamentals of architecture, in which an effort is made to give an accurate picture of the profession

of architecture. Basic training is given in graphics, descriptive geometry, and abstract design. Graphics includes an elementary study of plans, details, lettering, drafting, and a brief study of the orders. Descriptive geometry embraces the study of planes, projections, true lengths of lines, isometric drawings, and sections.

MR. PUTNAM

ARCH 102—ARCH DESIGN—3 cr. (0 and 9)

The design of simple buildings to be developed in the terms of basic elements of circulation, functional relationship of rooms and space as well as interior and exterior appearance. *Prerequisite*: Arch 101.

MR. WILKINS

ARCH 105—FREEHAND PRESENTATION—2 cr. (0 and 6)

To give the student a thorough working knowledge of the principles of freehand and mechanical perspective, shades and shadows, and presentation of work. A drafting and sketching technique is stressed with the medium of pencil.

MR. HODGE MR. WILKINS

ARCH 106—FREEHAND REPRESENTATION—2 cr. (0 and 6)

Freehand sketching and presentation in black and white mediums.

MR. HODGE

ARCH 201—ARCHITECTURAL DESIGN—4 cr. (0 and 12)

Design of simple structures with emphasis on the basic elements of circulation, functional relationship of rooms, spaces, and services, interior and exterior appearance. *Prerequisite*: Arch 105 and 106.

MR. WILKINS MR. YOUNG

ARCH 202—ARCHITECTURAL DESIGN—4 cr. (0 and 12)

A continuation of Arch 201.

MR. YOUNG

ARCH 207—DELINEATION—1 cr. (0 and 3)

The study and execution of various types of presentations, watercolor, tempera, ink and pencil. This course is designed to familiarize the student with the possibilities offered by the medium with relation to architectural presentation.

MR. McCULLOCH

ARCH 208—DELINEATION—1 cr. (0 and 3)

A continuation of Arch 207. *Prerequisite:* Arch 106.

MR. McCULLOCH

ARCH 215—BUILDING MATERIALS—2 cr. (2 and 0)

To give the student a knowledge of materials used in building construction. The course is designed to trace the building material from its source as a raw material, through its manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing plants of building materials are a part of this course.

MR. YOUNG

ARCH 216—BUILDING DESIGN—2 cr. (2 and 0)

To familiarize the student with the construction of the small dwelling. The course begins with the selection of the site and embraces all the necessary steps and methods of construction, terminating with the completed structure. Inspection trips to dwellings under construction are part of this course.

MR. PUTNAM

ARCH 301—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

Problems involving planning, elevation and mass composition in Architecture. Work includes the planning of public buildings, with emphasis on function, studies in entourage, elements of landscape with relation to plan and elevation, interior architecture, indication and presentation sketch problems. *Prerequisite:* Arch 202.

MR. GATES

ARCH 302—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

A continuation of Arch 301.

MR. GATES

ARCH 307—ELEMENTARY WATER COLOR—2 cr. (0 and 6)

The fundamental use of color, composition and technique, giving the student a thorough background with emphasis on architectural delineation. *Prerequisite:* Arch 208.

MR. McCULLOCH

ARCH 308—ADVANCED WATER COLOR—1 cr. (0 and 3)

This course is designed to give advanced students various exercises in color presentation. Water color and tempera are used with architectural presentation in mind. *Prerequisite:* Arch 307.

MR. McCULLOCH

ARCH 309—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To acquaint the student with the development of architecture, from prehistoric to Romanesque time, as a problem both of construction and aesthetics. Influence of various geographic, geological, social, and psychological factors; structural problems and their solution, post and lintel, arch, vault, pendentive, dome; planning problems and their solution; temples, churches, public buildings; decorative problems and their solution, as revealed in the buildings of the Egyptian, Greek, Roman, Early Christian and Byzantine periods, are topics covered.

MR. ST. HUBERT

ARCH 310—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 309. A study of the Romanesque period, its spread through western Europe as a system of building of great variety which preceded the organic Gothic of the Ile-de-France. The revival of classic form in Italy during the Renaissance, the spread of the Renaissance in England and France. *Prerequisite:* Arch 309.

MR. ST. HUBERT

ARCH 317—WORKING DRAWINGS—2 cr. (1 and 3)

Drafting room practice. Methods, materials, and details relating to the construction used in residence and preparation of working drawings for a small frame building. Problems in estimating and quantity survey of building costs and cost analysis of a building. *Prerequisite:* Arch 215 and 216.

MR. O'CONNELL

ARCH 318—WORKING DRAWINGS—2 cr. (1 and 3)

A continuation of Arch 317. The preparation of complete working drawings of a brick or stone veneer building. *Prerequisite*: Arch 317.

MR. O'CONNELL

ARCH 401—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

The designing of complex buildings, site and group planning; analysis and development of the plan and design problem from its most elemental to its final form; and sketch problems. *Prerequisite*: Arch 302.

MR. BARRET MR. MEANS

ARCH 402—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

A continuation of Arch 401 to include advanced problems in design, elements of civic planning, composition of involved types of buildings or groups of building, housing, and landscaping.

MR. BARRET MR. MEANS

ARCH 408—INDUSTRIAL DESIGN—1 cr. (0 and 3)

To give the student the fundamentals in design of simple pieces of furniture as worked out on the drafting table. The student is given practice in making detail drawings of chairs, tables, metal work. *Prerequisite*: D D 106.

MR. McCULLOCH

ARCH 409—ART APPRECIATION—3 cr. (3 and 0)

To give the student a general idea of the field of art, to develop knowledge and taste through contact with the best examples. Principal topics covered are: Periods of styles of architecture, painting, sculpture, ornament, decorative and interior composition, furniture, given by lecture and lantern slides.

MR. ST. HUBERT

ARCH 411—HISTORY OF ARCHITECTURE—2 cr. (2 and 0)

To acquaint the student with the development of Architecture from the Renaissance period in France and England to modern time, as a problem both of construction and aesthetics and with the influence of various geological, social and psychological factors. The topics are: First, the

Colonial period; a summary in North American architecture followed by a thorough study of the same period in South Carolina. Second, the National period; Classicism, Romanticism, Romanesque phase, classical phase, Gothic phase, Functionalism, beginning and development of modern architecture. *Prerequisite:* Arch 310.

MR. ST. HUBERT

ARCH 412—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

History of Art considered as an insight into a moving process of life and presented both by argument and by objective evidence. Its oldest expression, evolution similarities, influences and reactions are considered in order to arrive at a true and complete understanding of the growth of the new tradition in architecture, showing its interrelations with city planning, painting, and science.

MR. ST. HUBERT

ARCH 415—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. O'CONNELL

ARCH 416—SPECIFICATIONS AND PROFESSIONAL PRACTICE—2 cr. (2 and 0)

To give the student a general knowledge of the organization and development of specifications, in relation to working drawings, as prepared in the practicing architect's office. Course includes a final specification as a term paper.

MR. O'CONNELL

ARCH 417—WORKING DRAWINGS—2 cr. (0 and 6)

Drafting room practice. The preparation of complete working drawings as done in an architect's office. Structural analysis, design, and detailing of steel and concrete, columns, trusses, etc., as encountered in architectural constructions.

MR. MEANS

ARCH 418—CONSTRUCTION—2 cr. (2 and 0)

Properties of steel, concrete, design and detail of steel and reinforced concrete beams, slabs, columns, walls, and footings used in concrete construction.

MR. GUNNIN

ARCH 421—MECHANICAL PLANT—1 cr. (0 and 3)

Problems involved in the installation, operation, and supervision of heating, lighting, plumbing, air conditioning, elevator and other service equipment in modern building.

MR. O'CONNELL

ARCH 422—MECHANICAL PLANT—1 cr. (0 and 3)

A continuation of Arch 421. *Prerequisite:* Arch 421.

MR. O'CONNELL

ARCH 425—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. O'CONNELL

ARCH 427—WORKING DRAWINGS—4 cr. (1 and 9)

Drafting room practice. The student is required to make a complete set of architectural working drawings of reinforced concrete or steel framed building as prepared in the practicing architect's office.

MR. GUNNIN

ARCH 428—WORKING DRAWINGS—4 cr. (1 and 9)

A continuation of Arch 427 with emphasis on the addition of details such as door and window details, wall sections, and details of other parts of the building.

MR. GUNNIN

ARCH 431—ARCHITECTURAL DESIGN AND CITY PLANNING—7 cr. (0 and 21)

The advanced design of large buildings, projects and the development of the plans of a small city, which will entail research and field trips. Seminars are included in this course.

MR. GATES MR. BARRET

ARCH 432—ARCHITECTURAL DESIGN—7 cr. (0 and 21)

A continuation of Arch 431, with the final preparation for entering the field of architecture. A thesis is required. *Prerequisite:* Arch 402 and 431.

MR. GATES MR. BARRET

ARCH 439—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To give the student an insight into the future of the profession which lies in the field of organic town design. The architecture of tomorrow is based on the fundamental fact that architecture is a social and organic art form with the aim of creating about men a culturally healthy environment.

MR. ST. HUBERT

ARCH 440—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 439. To lead the student to perceive the whole of man's physical accommodation from the intimacy of the room to the very complex problem of the large metropolis, and learn to express by means of architectural language the way in which we live today in our homes, villages, towns and cities; to develop student's initiative. *Prerequisite:* Arch 439.

MR. ST. HUBERT

ARCH 445—CONSTRUCTION—1 cr. (0 and 3)

The advanced design of structural elements and working drawings entailing the use of reinforced concrete and steel in the modern building construction. Studies of the various construction systems and field trips are included in this course.

MR. MEANS

ARCH 446—CONSTRUCTION—1 cr. (0 and 3)

A continuation of Arch 445. *Prerequisite:* Arch 445.

MR. MEANS

ARCH 452—THESIS—3 cr. (3 and 0)

MR. GATES MR. BARRET MR. MEANS

BACTERIOLOGY

MR. RUSH

MR. VAN ESELTINE

BACT 301, 303—GENERAL BACTERIOLOGY—4 cr. (3 and 3)

Morphology, classification, distribution, cultivation, observation, and physiology of microorganisms; effects of organisms on their environment; microorganisms and health. *Prerequisite*: Bot 101, 103; Chem 101, 102.

MR. RUSH MR. VAN ESELTINE

BACT 310, 312—ADVANCED BACTERIOLOGY—4 cr. (2 and 6)

The first part of this course is devoted to discussions of the nutrition, metabolism, growth, and death of bacteria, microbiological assays, and industrial fermentations. This is followed by a detailed survey of those bacteria most important in water, milk, foods, and industry, together with some of the technics used in their study. *Prerequisite*: Bact 301, 303; Chem 220 or 221, 222.

MR. VAN ESELTINE

BACT 402, 404—DAIRY BACTERIOLOGY—3 cr. (2 and 3)

Bacterial counts on milk, milk fermentations, contamination of milk and cream, reducing the contamination of milk, growth of microorganisms in milk and cream, spread of diseases through milk and its derivatives; preservation of milk and cream, bacteriology of prepared milks, ice cream, butter cultures, fermented milks, butter, cheese, tests for the quality of milk and cream. *Prerequisite*: Bact. 301 and 303.

MR. RUSH MR. VAN ESELTINE

BACT 406, 408—SANITARY BACTERIOLOGY—4 cr. (3 and 3)

This course is designed primarily for Engineering students. After a consideration of the fundamentals of bacteriology, the course is designed to give a knowledge of the relation of bacteriology to water purification and sewage disposal. *Prerequisite*: Chem 101 and 102.

MR. RUSH MR. VAN ESELTINE

BACT 410, 412—SOIL MICROBIOLOGY—3 cr. (2 and 3)

The role of microbes in the decomposition of organic substances, transformation of nitrogen, transformation of mineral substances in soil by the action of microorganisms, interrelationships between higher plants and soil microorganisms, modification of the soil population, importance of microbes in soil fertility. *Prerequisite*: Bact 301 and 303.

MR. RUSH MR. VAN ESELTINE

BOTANY

	MR. ARMSTRONG	
MR. ROSENKRANS	MR. MATHEWS	MR. WHITNEY
	MR. RUTLEDGE	

BOT 101, 103—GENERAL BOTANY—4 cr. (3 and 3)

The first part of the semester is devoted to a study of the form, structure, and physiology of the higher plants, followed by a study of algae, bacteria, fungi, liverworts, mosses, and ferns, with the application of the biological laws. Descriptions, life histories and adaptation of the representative organisms are considered.

MR. ROSENKRANS MR. MATHEWS MR. RUTLEDGE MR. WHITNEY

BOT 351, 353—PLANT MORPHOLOGY—4 cr. (2 and 6)

A study of the structure of vegetative and reproductive parts of plants representing most of the major groups except the fungi. Most of the time is spent on the higher vascular plants. *Prerequisite*: Bot 101 and 103.

MR. RUTLEDGE

BOT 352, 354—PLANT PHYSIOLOGY—4 cr. (3 and 3)

A study of all the relations and processes which have to do with the maintenance, growth, and reproduction of plants. Principal topics are absorption of matter and energy, water relations of the plant, utilization of reserve products and liberation of energy, growth, movement and reproduction. *Prerequisite*: Bot 101 and 103; Chem 101 and 102; Phys 201 and 203 or Phys 211 and 213.

MR. WHITNEY

BOT 355—HISTOLOGY—2 cr. (0 and 6)

This course gives the student a knowledge of the principles of fixing, cutting, and staining plant tissues and the various other processes of micro-technique as well as their application to specific forms of plants. *Prerequisite*: Bot 101 and 103; Chem 101 and 102.

MR. ROSENKRANS

BOT 356, 358—TAXONOMY—3 cr. (1 and 6)

The identification, classification, distribution, and interrelationship of flowering plants with particular emphasis on the flora of South Carolina. Laboratory work includes a study of native trees and shrubs in winter condition, the collection and identification of local plants, and the preparation of a small herbarium. *Prerequisite*: Bot 101 and 103.

BOT 401, 403—PLANT PATHOLOGY—3 cr. (2 and 3)

To acquaint the student with the major plant diseases of the South, symptoms of the diseases, the nature of the causal agencies or factors, and methods of control. *Prerequisite*: Bot 101 and 103.

MR. ARMSTRONG MR. MATHEWS

BOT 402, 404—ECONOMIC BOTANY—3 cr. (2 and 3)

A study of plants and plant products and their relationship to human history and contemporary life. Sources of plant products, especially those outside the scope of courses in Agronomy and Horticulture, such as woods, resins, tanning materials, rubber, textiles, cereals, sugar, oils, fruits, spices, beverages and drugs. Library research, periodic reports, and the examination of special material replace formal laboratory work. *Prerequisite*: Bot 101 and 103. Other students who present evidence of good scholarship may elect.

BOT 405—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

BOT 406—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

BOT 451, 453—MORPHOLOGY OF THE FUNGI—3 cr. (2 and 3)

A course to acquaint the student with the morphology and taxonomy of the fungi through lectures, reports, laboratory work, and field trips. Special attention is devoted to practice in the methods of pure culture as they apply to the different saprophytic and parasitic forms. *Prerequisite*: Bot 101, 103; Bot 401, 403.

MR. MATHEWS

BOT 452, 454—ECOLOGY—4 cr. (2 and 6)

A study of the fundamental principles of the relations between plants and environmental conditions. Special attention is given to ecological relationships and problems in this region. *Prerequisite*: Bot. 101, 103.

MR. RUTLEDGE

CERAMIC ENGINEERING

MR. ROBINSON

MR. BICKELHAUPT

CR EN 202—CERAMIC MATERIALS—2 cr. (2 and 0)

A study of the occurrence, mining, and properties of clays and ceramic minerals. *Prerequisite*: Geol 406.

CR EN 301—THE DRYING AND FIRING OF CERAMIC PRODUCTS—5 cr. (3 and 6)

A study of the theory, equipment and control of the drying and firing processes. *Prerequisite*: Cr En 202, Phys 212 and 214.

CR EN 303—CERAMIC PRODUCTS—5 cr. (2 and 0)

This course is intended as an elective course for architects, architectural, chemical, civil, electrical and mechanical engineers to acquaint them with the various ceramic products used in their professions. The properties, uses and methods of manufacture of such products as structural clay, refractories, whitewares, porcelain enamel and glass are included in this course.

CR EN 401—SILICATES—5 cr. (3 and 6)

A study of the fundamental principles underlying the composition and production of whitewares, glazes, glasses, cements and abrasives. A comprehensive study of ceramic calculations and their application to the preparation of ceramic bodies and glazes is included. *Prerequisite*: Cr En 301.

CR EN 402—REFRACTORIES—3 cr. (3 and 0)

A study of refractory materials, the manufacture of refractory products, and the use of refractories in industrial furnaces. *Prerequisite*: Cr En 401.

CR EN 404—ENAMELS—3 cr. (3 and 0)

A study of the raw materials, methods of manufacture, and properties of porcelain enamel coatings for metals. *Prerequisite*: Cr En 401.

CR EN 405—PLANT DESIGN—3 cr. (0 and 9)

The application of the fundamentals of ceramic engineering to specific problems in plant design. *Prerequisite:* Senior Standing in Ceramic Engineering.

CR EN 406—CERAMIC PROJECT—2 cr. (0 and 6)

The completion of an original research into a ceramic problem. *Prerequisite:* Cr En 401.

CR EN 408—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Cr En 405. *Prerequisite:* Cr En 401.

CHEMICAL ENGINEERING**MR. BERNE-ALLEN****MR. LITTLEJOHN****CH EN 202—INTRODUCTION TO CHEMICAL ENGINEERING—3 cr. (3 and 0)**

This course introduces English units for engineering calculations, dimensional analysis, chemical engineering methods of calculation, and the fundamental principles of fluid transportation. *Prerequisite:* Second-semester Sophomore standing in Chemical Engineering.

MR. BERNE-ALLEN**CH EN 301—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)**

An introduction to the general principles of Chemical Engineering and a study of the following unit operations: Fluid Flow, Heat Transmission and Evaporation. Special emphasis is placed on theory and its practical application. This is accomplished through the presentation of comprehensive calculations. *Prerequisite:* Ch En 202.

MR. BERNE-ALLEN**CH EN 302—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)**

A study of the following unit operations based on diffusion: Humidification and Air Conditioning, Drying and Distillation. Special attention is given to theories involved and practical applications thereof. Theory is correlated with practice by the solution of comprehensive problems. *Prerequisite:* Ch En 301.

MR. LITTLEJOHN

CH EN 305—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 202 and 301 in which theory is related to practical application by actual operation of equipment and the preparation of technical reports thereon. *Prerequisite:* Ch En 202 and with or following Ch En 301.

MR. BERNE-ALLEN

CH EN 306—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 302 in which theory is related to practical application by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 305.

MR. LITTLEJOHN

CH EN 401—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations: Gas Absorption and Solvent Extraction, Filtration, Crystallization, Mixing, Conveying, Size Reduction and Size Separation. Special emphasis is placed on theory and its practical application. Theory is related to practice by solution of comprehensive problems. *Prerequisite:* Ch En 301 and 302.

MR. LITTLEJOHN

CH EN 403—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A study of various chemical industries. Economics and the interrelation of unit operations and unit processes are considered. Attention is given to the dependence of each industry on the chemical field as a whole. *Prerequisite:* Senior standing in Chemical Engineering or Chemistry.

MR. BERNE-ALLEN

CH EN 404—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A continuation of Ch En 403. *Prerequisite:* Senior standing in Chemical Engineering or Chemistry.

MR. BERNE-ALLEN

CH EN 405—UNIT OPERATIONS—2 cr. (0 and 6)

A laboratory course dealing with subjects covered in Ch En 401 in which theory is related to practice by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 306.

MR. LITTLEJOHN

CH EN 406—INDUSTRIAL CHEMICAL CALCULATIONS—2 cr. (2 and 0)

A course in the solution of stoichiometric problems on the plant scale. *Prerequisite:* Ch En 301 and 302.

MR. BERNE-ALLEN

CH EN 409—PLANT DESIGN—2 cr. (0 and 6)

A detailed study of the design of a chemical plant involving such factors as process to be employed, equipment selection, specification writing and cost accounting, and plant location. *Prerequisite:* Senior standing in Chemical Engineering.

MR. LITTLEJOHN

CH EN 410—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Ch En 409. *Prerequisite:* Ch En 409.

MR. LITTLEJOHN

CH EN 412—THESIS—3 cr. (0 and 9)

The solution of a research problem in Chemical Engineering chosen by the student. A written report is required in which special emphasis is laid upon originality of thought, method of attack, discussion of results and conclusions. *Prerequisite:* Ch En 401 and Ch En 405.

MR. BERNE-ALLEN MR. LITTLEJOHN

CH EN 415—CHEMICAL ENGINEERING SEMINAR—0 cr. (1 and 0)

A discussion period for exchange of ideas between students and instructors. Current problems and new trends in theoretical and practical chemical engineering are discussed. *Prerequisite:* Senior standing in Chemical Engineering.

MR. BERNE-ALLEN MR. LITTLEJOHN

CH EN 416—CHEMICAL ENGINEERING SEMINAR—0 cr. (1 and 0)

A continuation of Ch En 415. *Prerequisite:* Ch En 415.

MR. BERNE-ALLEN MR. LITTLEJOHN

CH EN 422—INDUSTRIAL WASTE TREATMENT—2 cr. (2 and 0)

This course is designed to acquaint the student with the various types of industrial wastes and the treatments required to prevent further pollution of our natural water resources.

CHEMISTRY

MR. HUNTER

MR. CARODEMOS	*MR. BROWNLEY	MR. BRUNSON
MR. MITCHELL	MR. DINWIDDIE	MR. GUEST
MR. POLLARD	*MR. HOBSON	MR. SALLEY
MR. POLK	MR. HODGES	MR. SPINER
MR. SCHIRMER	MR. MAULDIN	MR. WILLIAMS
	MR. BRUNER	

CHEM 101—GENERAL CHEMISTRY—4 cr. (3 and 3)

To give the student a general knowledge of the fundamentals of the science of chemistry through lectures, lecture experiments, and laboratory exercises. Consideration is given to the common substances.

MR. POLK AND STAFF

CHEM 102—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 101.

MR. HUNTER AND STAFF

CHEM 103—GENERAL CHEMISTRY—4 cr. (3 and 3)

This course is required of students majoring in Chemistry, Chemical Engineering, Textile Chemistry or Pre-Medicine. It is similar to Chem 101, except that it gives a more thorough covering of those fundamentals which are necessary for advanced work in Chemistry.

MR. SCHIRMER AND STAFF

*On leave.

CHEM 104—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 103.

MR. SCHIRMER AND STAFF

CHEM 211—QUALITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Qualitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 215 except that the theoretical principles are developed in less detail. Greater emphasis is placed on those principles more likely to be encountered in medical work. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

CHEM 212—QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Quantitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 216 except that the theoretical principles are developed in less detail. Greater emphasis, both in theory and laboratory work, is placed on those analyses which are more applicable to medical work. *Prerequisite*: Chem 211 or 215.

MR. SCHIRMER

CHEM 215—QUALITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Qualitative Analysis and their application in the systematic separation and identification of the common cations and anions in the laboratory. The topics discussed are: chemical equilibrium and the law of mass action, solution and ionization, solubility product, hydrolysis and complex ions. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

CHEM 216—QUANTITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Quantitative Analysis and their application in the analysis of unknown mixtures in the laboratory. Standard volumetric and gravimetric procedures are employed. *Prerequisite*: Chem 215.

MR. SCHIRMER

CHEM 220—AGRICULTURAL ORGANIC CHEMISTRY—4 cr. (3 and 3)

A study of fundamentals of organic chemistry which will aid the student of agriculture to understand the various biochemical reactions which are involved in the study of plant and animal nutrition. *Prerequisite:* Chem 101 and 102.

MR. MAULDIN MR. SALLEY

CHEM 221—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

A thorough study of the aliphatic compounds with special emphasis upon structural characteristics of the various classes. In the laboratory, typical compounds are prepared in which techniques, purity and yield are stressed. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. CARODEMOS

CHEM 222—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

The alicyclic, heterocyclic, and aromatic compounds are thoroughly studied. Typical members of these series of compounds are synthesized in the laboratory in which technique, purity and yield are stressed. *Prerequisite:* Chem 221.

MR. CARODEMOS

CHEM 312—GAS AND FUEL ANALYSIS—3 cr. (1 and 6)

A study of the composition and combustion of solid, liquid and gaseous fuels, and of the products of combustion. The laboratory work consists of analyses of solid and gaseous fuels, calorimetry, and testing of fuel and lubricating oils. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. BROWNLEY

CHEM 321—QUALITATIVE ORGANIC ANALYSIS—4 cr. (2 and 6)

The systematic identification of pure organic compounds and mixtures.

MR. DINWIDDIE

CHEM 331—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions. *Prerequisite:* Math 203 and 204, Chem 212 or 216, Chem 221 (may be taken at the same time).

MR. POLLARD

CHEM 332—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 331, including the study of chemical equilibrium, the phase rule, chemical kinetics and elementary electrochemistry.

MR. POLLARD

CHEM 333—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

Laboratory course to accompany Chem 331. Experimental studies of the physico-chemical behavior of gases, liquids, solids and solutions.

MR. DINWIDDIE

CHEM 334—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

A continuation of Chem 333 to accompany Chem 332. Studies of chemical equilibria, reaction rates, phase systems and electrochemical measurements.

MR. DINWIDDIE

CHEM 336—PHYSICAL CHEMISTRY—5 cr. (5 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions as related to the ceramic industry.

MR. POLLARD

CHEM 401—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A comprehensive survey of the field of inorganic chemistry through lectures and lecture experiments. Development of modern theories of atomic structure and valence, and a detailed study of the elements and their compounds, based on the periodic system and including both well known and rarer elements. *Prerequisite:* Chem 212 or 216. *Suggested:* Chem 331 and 332.

MR. SCHIRMER

CHEM 402—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 401.

MR. SCHIRMER

CHEM 411—ADVANCED QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

This course involves gravimetric and colorimetric analysis including complete analysis of limestones and silicates, and a partial analysis of coal, pig iron and steel. Also, the quantitative analysis of alloys using electro-metric separation in some cases. The determination of certain important elements of ores, as sulfur, manganese, nickel, chromium and phosphorus. Instrumental analysis involving the use of photoelectric colorimeters, spectrophotometers, titrimeters and other instruments. *Prerequisite:* Chem 212 or 216.

MR. MITCHELL

CHEM 431—COLLOID CHEMISTRY—2 cr. (2 and 0)

The general characteristics of the colloidal state and surface phenomena including surface tension, adsorption and contact catalysis. *Prerequisite:* Chem 331 and 332.

MR. POLLARD

CHEM 432—COLLOID CHEMISTRY—2 cr. (2 and 0)

A continuation of Chem 431 including the preparation of colloidal solutions, gels and jellies, foams, fogs, emulsions and smokes.

MR. POLLARD

CHEM 441—GLASS MANIPULATION—2 cr. (0 and 6)

A course designed to teach the fundamentals of glass manipulation and its application to the construction and repair of simple laboratory apparatus. *Prerequisite:* Senior Standing.

MR. SCHIRMER

CHEM 442—CHEMICAL LITERATURE—2 cr. (1 and 3)

This course is designed to give the student practice in the use of chemical literature, the writing of technical reports and the presentation of same before the faculty of the School of Chemistry. *Prerequisite:* Senior Standing in Chemistry.

CHEMISTRY STAFF

CHEM 443—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of Chemistry. This work must be carried out under the supervision of a qualified member of the staff. *Prerequisite:* Senior Standing in Chemistry.

CHEMISTRY STAFF

CHEM 444—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 443.

CHEMISTRY STAFF

CHEM 454—INORGANIC SYNTHESIS—2 cr. (0 and 6)

A laboratory course designed to acquaint the student with various methods and techniques employed in the preparation and handling of inorganic compounds. *Prerequisite:* Chem 401.

MR. SCHIRMER

CHEM 462—TECHNICAL ANALYSIS—3 cr. (1 and 6)

This course is planned to give training and experience in the analysis of many industrial products including fertilizer analysis, organic and mineral analysis of feeding materials, complete water analysis, both mineral and sanitary and the chemical and optical analysis of sugar products. Assays of some of the vitamins include the use of photoelectric colorimeters and fluorophotometers. *Prerequisite:* Chem 411.

MR. MITCHELL

CHEM 472—ORGANIC SYNTHESIS—4 cr. (1 and 9)

A review and more intensive study of representative classes of organic compounds. In this course reference is made to the current literature from which the student prepares reports and abstracts. The laboratory work consists of synthesis of more complex compounds. In this course the student is introduced to the methods of consulting Beilstein's "Handbuch der organischen chemie." *Prerequisite:* Chem 321 and Ger 102.

MR. CARODEMOS

CHEM 473—ORGANIC MEDICINAL COMPOUNDS—2 cr. (2 and 0)

A study of Organic Compounds used as therapeutic agents, with emphasis on relationships between constitution and physiological activity. *Prerequisite:* Chem 222.

MR. DINWIDDIE

CHEM 482—CHEMICAL THERMODYNAMICS—3 cr. (3 and 0)

This course is designed to present basic concepts of the fundamental thermodynamic quantities and their relationships as expressed by the three laws of thermodynamics. A working knowledge of these laws and their correlative functions, as applied to chemical processes, will be given the student.

Mr. HOBSON

CHEM 484—COLLOID CHEMISTRY LABORATORY—2 cr. (0 and 6)

Preparation and study of colloidal systems. *Prerequisite:* Chem 431.

Mr. POLLARD

CIVIL ENGINEERING

Mr. CLARKE

Mr. LOWRY
Mr. TRIVELYMr. FORD
Mr. GLENN
Mr. ROSTRONMr. McCORMAC
Mr. MOSS

C E 101—ELEMENTARY SURVEYING—2 cr. (1 and 3)

An introductory course given to all Engineering freshmen. This course comprises field and office computations involving the use of the tape, transit, level and leveling rod; the making of simple surveys and computing the areas.

STAFF

C E 201—SURVEYING—2 cr. (2 and 0)

A detailed study of the construction of all surveying instruments, and methods of adjusting same; a comprehensive consideration of the mathematical principles involved in making surveys: computations involved in computing and subdividing areas. *Prerequisites:* Math 103, C E 101.

Mr. MOSS

C E 202—SURVEYING—2 cr. (2 and 0)

This is a continuation of C E 201, and comprises the application of surveying principles to the various phases of surveying problems, including

land surveying, topographic surveying, route surveying, mine surveying and hydrographic surveying. This course includes sufficient elementary astronomy for making solar or stellar observations for the determination of Azimuth and Time. *Prerequisite:* C E 201.

Mr. Moss

C E 203—TOPOGRAPHIC SURVEYING AND MAPPING—1 cr. (0 and 3)

The field and office work necessary to make a complete topographic map, including contours, of a prescribed area. *Prerequisite:* C E 101, Math 103.

Mr. Moss

C E 205—CIVIL ENGINEERING PROBLEMS—2 cr. (1 and 3)

This course, designed to familiarize the student with simple problems in civil engineering, includes a review of the applications of trigonometric functions and logarithms, and a study of graphs, tables, and the slide rule. Some emphasis is given to a systematic analysis of problems and a neat and orderly arrangement of computations. *Prerequisites:* Math 103, Math 104 and registration in Phys 211.

Mr. J. D. GLENN

C E 301—SURVEYING—4 cr. (0 and 12)

Care and adjustment of all surveying instruments; mathematical principles involved in making surveys; field and office work necessary to make a detailed map, including contours of a prescribed area; special surveying problems including solar and stellar observations. *Prerequisites:* Math 103, C E 101. (C E 301 taught in summer only)

C E 305—ROUTE SURVEYING—3 cr. (2 and 3)

A study of the special problems which arise in connection with the location of a route for a railroad, highway, canal, sewer, water main or transmission line; the theory of simple, compound, and reversed curves; parabolic curves, transition, spiral, vertical, curves, railroad turnouts; computations of earthwork. Field work includes a route survey for a highway. *Prerequisite:* Accompanied or preceded by C E 301. (C E 305 taught in summer only)

Mr. CLARKE

C E 307—ROADS AND PAVEMENTS—4 cr. (3 and 3)

Theory and practice in design, location, construction and maintenance of low cost, intermediate, and high type, road surfaces, including a study of physical properties of bituminous construction materials, and the standard tests for determining these properties. Highway economics and administration. Study of factors relating to highway construction methods and materials. *Prerequisite*: C E 305.

MR. ROSTRON

C E 309—STRESS ANALYSIS—2 cr. (0 and 6)

The computation of stresses in statically determinate structures. *Prerequisites*: Mech 302 and 306.

MR. LOWRY MR. McCORMAC

C E 310—ELEMENTARY DESIGN—2 cr. (0 and 6)

The computation of the stress in truss members and girders; the design of structural parts and their connections. *Prerequisite*: C E 309 and Mech 304.

MR. J. D. GLENN MR. McCORMAC

C E 312—STRUCTURAL DESIGN—3 cr. (1 and 6)

A study of steel structures with emphasis on the design and layout as applied to buildings. *Prerequisite*: Preceded or accompanied by Mech 304.

MR. GLENN

C E 317—MATERIALS AND METHODS OF CONSTRUCTION—3 cr. (3 and 0)

This course is intended to familiarize the student with the common materials and technical terms used in construction and the ways in which the materials are used. *Prerequisite*: Junior standing.

MR. CLARKE

C E 319—GENERAL PHOTOGRAMMETRY—3 cr. (2 and 3)

An introduction to the fundamentals of mapping by use of aerial photographs. A study of the characteristics and uses of aerial photographs, detailed interpretation and simple photogrammetric instruments such as the stereocomparagraph. Practice in use of simple mapping instruments, problems in scale determination, construction of photomosaics. *Prerequisite:* C E 203.

MR. ROBINSON

C E 401—STRUCTURAL DESIGN—3 cr. (2 and 3)

The computation of stresses, and the detailed design of a steel highway bridge. *Prerequisite:* C E 310.

MR. TRIVELY

C E 402—STRUCTURAL ANALYSIS—2 cr. (2 and 0)

Analysis of statically indeterminate structures by the method of moment distribution. *Prerequisite:* C E 310.

MR. J. D. GLENN

C E 409—REINFORCED CONCRETE STRUCTURES—4 cr. (3 and 3)

Study of mechanics of reinforced concrete, beams, slabs, columns and footings. Designs and estimates of concrete structures. A study of the standard tests for determining the properties of materials used in reinforced concrete construction. *Prerequisite:* Mech 304 and 306.

C E 410—MUNICIPAL AND SANITARY ENGINEERING—4 cr. (3 and 3)

A study of the procedure necessary to supply an adequate amount of potable water for public or private purposes; and the design and construction of sewerage systems and sewage treatment plants. *Prerequisite:* Mech. 401.

MR. CLARKE

C E 411—ENVIRONMENTAL SANITATION—3 cr. (3 and 0)

This course covers the sanitary problems created by the handling of milk and food, insect and rodent control, industrial hygiene, and housing.

C E 412—REINFORCED CONCRETE DESIGN—2 cr. (0 and 6)

The complete analysis and design of a reinforced concrete bridge or building. *Prerequisite:* C E 409.

MR. TRIVELY

C E 414—SOIL MECHANICS—3 cr. (2 and 3)

Study of mechanical and physical properties of soils and their relation to soil action in problems of engineering, such as classification, permeability, shearing strength, consolidation, stress distribution and bearing capacity of soils. *Prerequisite*: Mech 304.

MR. ROSTRON

C E 417—CITY PLANNING—2 cr. (2 and 0)

A study of the special problems, confronting a city engineer, which are not specifically of an engineering nature, but for the solution of which the public looks to the city officials; viz. street systems, traffic control, parking facilities, railroad and water traffic problems, airports, parks and play-grounds and zoning; legal problems involved. *Prerequisite*: Senior standing.

MR. CLARKE

C E 420—CONCRETE MIXES—1 cr. (0, 3)

Investigation and selection of aggregates for concrete; latest methods of design of concrete mixes; field control and adjustments; air-entrained concrete; field trips to nearby construction jobs. *Prerequisite*: Preceded or accompanied by C E 409.

MR. LOWRY

C E 421—CONTRACTS—2 cr. (2 and 0)

A study of the legal requirements and principles involved in the construction problems which confront the civil engineer. *Prerequisite*: Junior standing.

MR. CLARKE

C E 432—CONSTRUCTION PRACTICES—2 cr. (2 and 0)

This course is designed to acquaint the student with the various problems encountered in modern construction from the preliminary layout to the final inspection and acceptance by the owner, the various types of mechanical equipment used, labor and time-saving methods.

C E 434—CONSTRUCTION COSTS AND ESTIMATES—3 cr. (2 and 3)

This course covers the interpretation of specifications and plan reading necessary for the proper estimation of quantities of materials and costs of engineering structures. The course is presented from both the designer's and the constructor's viewpoint in order to fit the young engineer with the essential details an inspector or a construction engineer should have at his command.

C E 452—ADVANCED STRUCTURAL ANALYSIS—2 cr. (2 and 0)

A study of the various methods for computing the deflections of beams and trusses. *Prerequisite:* C E 310.

MR. TRIVELY

C E 499—THESIS—1-3 cr.

Civil Engineering students of exceptional ability, with the permission of the Head of the Civil Engineering Department, may choose as an elective the preparation and submission of a thesis covering some phase of Civil Engineering. This thesis may be either an independent experimental investigation entered into with the hope of discovery of new engineering knowledge, or the independent prosecution of some already somewhat stabilized problem in engineering design. Those students who desire to submit a thesis, as a part of their free electives, must present to the Head of the Civil Engineering Department not less than one month prior to the opening of the semester during which the thesis work is intended to be done, a complete outline of the work contemplated in the proposed thesis and the projected method of procedure. (Amount of credit given depends upon the nature of the subject, the amount of time devoted to it, and the quality of the work.)

MR. CLARKE

DAIRY DEPARTMENT

MR. LAMASTER

MR. GOODALE

MR. BRANNON

MR. LAZAR

MR. KING

MR. HURST

DAIRY 201—INTRODUCTORY DAIRYING—3 cr. (2 and 3)

A course designed to give a practical working knowledge of dairy husbandry and dairy products. Studies include history of dairying, dairy breeds, feeds and feeding, judging dairy animals, dairy farm buildings, quality milk production, testing milk and some of its products, the manufacture of milk products, and the value of milk and milk products.

MR. LAZAR

DAIRY 301—GENETICS—3 cr. (2 and 3)

A study of the principles of heredity and variation with special reference to their application to the animal kingdom. Some of the topics covered are Mendel's Law, physical basis of inheritance, chromosome theory, linkage, expression and interaction of factors, origin of hereditary differences, inheritance of quantitative characters, and biometric methods. *Prerequisite:* Junior standing.

DAIRY 302—DAIRY TECHNOLOGY AND ENGINEERING—3 cr. (2 and 3)

The chemical and physical properties of milk and milk products are studied in the classroom and laboratory as they apply to the processing of dairy products. Some of the dairy engineering subjects studied are: Heat measurement, transfer and control; power transmission, electrical power and equipment, hydraulics and pumping, steam and its use in the dairy, refrigeration, insulation, heaters and coolers, ice cream equipment, homogenizers, pasteurizing equipment, evaporating and drying equipment, washing and sterilizing equipment, fillers, equipment maintenance, general mechanics, and dairy plant design and layout. *Prerequisite:* Junior standing.

MR. GOODALE

DAIRY 305—DAIRY CATTLE JUDGING—1 cr. (0 and 3)

Students are given an understanding of dairy form, breed type, and relations between form and function of dairy cattle. Emphasis is placed on the score card, show ring requirements and classifications, fitting dairy cattle for show and sale, values as influenced by form, buying dairy cattle, practice in judging Brown Swiss, Guernsey, Holstein, and Jersey cattle of all ages. *Prerequisite:* Junior standing.

MR. BRANNON

DAIRY 306—MARKET MILK—3 cr. (3 and 0)

To give a comprehensive understanding of the care and handling of market milk, the following subjects are studied: History and development of the market milk industry, composition of milk and its properties, micro-organisms, enzymes and cells of milk and cream, milk and public health, safeguarding the milk supply, sanitary production of market milk, construction and arrangement of buildings (farm and station), transportation of milk, flavors of milk, construction and arrangement of city milk plants, milk plant operation, pasteurization of milk, cooling systems, creaming, separation, special milk products, business management, the dairy laboratory, dairy mathematics. *Prerequisite:* Dairy 201.

MR. GOODALE

DAIRY 309—ANIMAL NUTRITION—3 cr. (3 and 0)

A chemical and physiological treatment of digestion, absorption and metabolism of nutrients. The physiology of and nutritional requirements for body maintenance, growth, reproduction and lactation of dairy cattle. *Prerequisite:* Chemistry 220.

MR. KING

DAIRY 352—ADVERTISING AND MARKETING—3 cr. (3 and 0)

To give fundamentals in important fields of sales and marketing, the following topics are studied: Evolution of advertising, advertising allied with journalism, rise of national advertising, social aspects of advertising, advertisers' policies and objectives, modern advertising procedure, marketing research, names, trade marks, packages, psychology of selling, incentives to attention, incentives to interest, establishing associations, building the advertisement, substance of advertising copy, typography, illustrations and color, layout and visualization, advertising program, advertising production, media, radio advertising. *Prerequisite:* Junior standing.

MR. GOODALE

DAIRY 354—ENDOCRINOLOGY—3 cr. (3 and 0)

This course includes a study of the anatomy and physiology of the glands of internal secretion. The chemistry of the hormones will be considered. Emphasis will be placed on the relationship of the endocrine glands to growth, reproduction, and lactation. *Prerequisite:* Junior standing.

MR. HURST

DAIRY 401—DAIRY MANUFACTURES—3 cr. (2 and 3)

A thorough study is made of the manufacture of creamery butter, and the processing of soft cheeses. Some of the topics covered are: History of buttermaking, care of cream on the farm, buying and grading cream, inspection and testing methods, neutralization, pasteurization, starters and ripening, churning, and all subsequent processes until butter is ready for market, composition control, butter scoring, butter storage, marketing butter, refrigeration and sanitation. Studies are conducted on complete processing methods for common varieties of soft cheeses. *Prerequisite:* Dairy 201 and 302.

MR. GOODALE

DAIRY 402—DAIRY MANUFACTURES—4 cr. (2 and 6)

A study of ice cream manufacture and related problems of producing condensed and powdered milks. Some subjects covered are: History of ice cream making, classification of frozen products, composition, ingredients used, standardization of mixes, processing mixes, testing, freezing, whipping defects in ice cream, packaging, hardening, shipping sugars, egg products, stabilizers, chocolate products, vanillas, fruits, ices, sherbets, specials, costs and merchandising, ice cream as a food, and bacteriology of ice cream. *Prerequisite:* Dairy 201 and 302.

MR. GOODALE

DAIRY 405—DAIRY CATTLE BREEDING—3 cr. (2 and 3)

The student is given an understanding of the methods used in developing and improving the breeds of cattle. Principal topics are: breed history, advanced register, pedigrees, methods of indexing proved sires, statistical study of the relations of environment to production. *Prerequisite*: Genetics.

MR. LAMASTER

DAIRY 409—DAIRY SEMINAR—2 cr. (2 and 0)

Special research problems in production and manufactures are studied. Individual topics not fully covered in class work are assigned for special reports before class and Dairy Staff. *Prerequisite*: Senior standing.

DAIRY STAFF

DAIRY 410—DAIRY SEMINAR—2 cr. (2 and 0)

This course is a continuation of Dairy 409 with emphasis on current research literature. Each student is required to conduct a research project in production or manufactures and report the exposition of the results by thesis. *Prerequisite*: Senior standing.

DAIRY STAFF

DAIRY 452—DAIRY CATTLE FEEDING AND MANAGEMENT—3 cr. (2 and 3)

This course gives the fundamental principles in the care, feeding, and management of dairy cattle of all ages. Principal topics include: general considerations in selecting a breed, selecting the individual cow, calf raising, growth and development, raising dairy heifers, care and management of the milking herd, milking factors, feeding for milk production, stables for cows, dairy barn equipment and handling manure. *Prerequisite*: Senior standing.

MR. LAMASTER

DRAWING AND DESIGNING

MR. SHIGLEY

MR. BANISTER

MR. CARTER

MR. HAMMOND

MR. BRADBURY

MR. HUGHES

MR. NIX

MR. MCHUGH

D D 101—FREEHAND DRAWING—1 cr. (0 and 3)

A study of the principles of technical sketching, including the development of skills in technical lettering and freehand drawing.

DRAWING STAFF

D D 102—TECHNICAL DRAWING—1 cr. (0 and 3)

A study of the elementary principles of multi-view projection with emphasis upon the reading of technical drawings rather than upon their execution. *Prerequisite:* D D 101.

DRAWING STAFF**D D 105—ENGINEERING DRAWING—2 cr. (0 and 6)**

A comprehensive study of the language of the engineer. The course includes lettering, use of instruments, technical sketching, multi-view drawing, auxiliary projection, sectional views, dimensioning, fasteners, pipe drawings, and simple detail and assembly drawings.

DRAWING STAFF**D D 106—ENGINEERING DRAWING—2 cr. (0 and 6)**

A continuation of D D 105. The course includes detail and assembly drawings, welding drawings, pictorial drawings, simple problems involving the point, line, and plane in descriptive geometry, structural drawing, and developments and intersections of plane and curved surfaces. *Prerequisite:* D D 105.

DRAWING STAFF**D D 205—APPLIED DESCRIPTIVE GEOMETRY—3 cr. (2 and 3)**

A study of the theory of orthographic projection and its application to the graphical solution of three-dimensional space problems. A wide variety of practical problems are solved including problems dealing with points, lines, planes, single curved surfaces, and double curved surfaces. *Prerequisite:* D D 106.

DRAWING STAFF**D D 305—KINEMATICS OF MACHINES—2 cr. (1 and 3)**

A study of cams, linkages, and related mechanisms. The determination of velocities and accelerations in simple machines. A comprehensive study of toothed gearing, simple and planetary gear trains and miscellaneous mechanisms. *Prerequisite:* D D 106. Must parallel or follow Mech 303.

MR. SHICLEY MR. BRADBURY MR. MCHUGH MR. HAMMOND

D D 306—MACHINE DESIGN—2 cr. (1 and 3)

A study of the various "factors" which influence the design engineer's decision upon the size, material, or shape of a machine part, and its location in a machine. Review of materials and processes from the standpoint of design. The design of various machine elements. A selected group of laboratory problems to bring out the student's judgment, initiative, and ingenuity, and to unite all his previous experience and studies and focus them towards the solution of each problem. *Prerequisite:* D D 305. Must parallel or follow Mech 304.

MR. SHIGLEY MR. BRADBURY MR. MCHUGH MR. HAMMOND

D D 460—MECHANICAL VIBRATIONS—3 cr. (3 and 0)

A study of mechanical vibrations with emphasis upon the solution of practical problems in the design and construction of machinery and structures. The study will include free vibrations with and without damping; forced vibrations; systems of one, two, and many degrees of freedom; Poy-leigh's method applied to linear vibrations; Halzer's method applied to torsional vibrations; equivalent systems; measuring instruments; absorbers and dampers; the seismograph; self-excited vibrations; non-linear systems. *Prerequisites:* Mech 303 and 304.

MR. SHIGLEY

D D 461—PHOTOELASTICITY—2 cr. (1 and 3)

A method of determining exact stresses and areas of stress concentration in complex shapes with both static and dynamic loading. The course includes study of the polariscope, development of fundamental relations, practice in the use of the photoelastic method, and finally original research on a project chosen by the instructor.

ECONOMICS

MR. BIGGS

MR. WOOD

MR. DAVIS

MR. TREVILLIAN

MR. DAIL

MR. MACAULAY

ECON 201—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

This course, with its continuation, Econ 202, furnishes a basic introduction to the science of economics. Beginning with an examination of fundamental concepts, the course deals with principles of production and

exchange, business organization and combination, and principles of money, banking and credit. Special emphasis is given to current economic problems.

ECONOMICS STAFF

ECON 202—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

Continuation of Econ 201 with special attention to the distribution of national income, value and price, foreign trade and exchange, economic problems of government such as taxation and government spending. Comparison is made of the economic structures of capitalism, socialism and communism. Consideration is given to current economic problems. *Prerequisite:* Econ 201.

ECONOMICS STAFF

ECON 301—LABOR PROBLEMS—3 cr. (3 and 0)

Studies in the development of present day labor conflict and causes of industrial unrest. An analytical survey is made of such aspects as unemployment, low wages, industrial accidents and diseases, intervention of the State in behalf of the worker and the status of the worker in modern industrial society. Trade unionism and collective bargaining are contrasted with state legislation as devices for dealing with these problems. *Prerequisite:* Econ 201 and 202.

MR. WOOD

ECON 302—MONEY AND BANKING—3 cr. (3 and 0)

A survey of the financial organization of society. Consideration of monetary systems, foreign exchange, credit instruments and principal types of financial institutions. Problems of credit control, monetary stabilization, banking regulation and reform are given special emphasis. *Prerequisite:* Econ 201 and 202.

MR. TREVILLIAN

ECON 312—COMMERCIAL LAW—3 cr. (3 and 0)

An introduction to law in its application to business. Special emphasis is given to legal principles and court opinions relating to contracts, personal property, negotiable instruments and related topics. *Prerequisite:* Junior standing.

STAFF

ECON 401—ELEMENTARY ACCOUNTING—3 cr. (3 and 0)

Practice in handling real and nominal accounts, together with an introduction to the use of various types of books of original entry, statements of profit and loss, and balance sheets. The work of the course will consist of lectures and problems. *Prerequisite:* Econ 201 and Junior standing.

STAFF

EDUCATION

MR. WASHINGTON

MR. BOOKER

MR. WHITE

MR. KIRKLEY

MR. BROCK

MR. BOWEN

MR. STRIBLING

MR. MONROE

MR. GENTRY

EDUC 101—ORIENTATION—1 cr. (1 and 0)

The purpose of this course is to aid the freshman in adjusting himself to the college environment and his course of study.

EDUCATION STAFF

EDUC 301—INTRODUCTION TO EDUCATION—3 cr. (3 and 0)

This course includes the principles of Education, the aims, purposes, and objectives of Vocational Education; and the basic principles underlying the development of programs of instruction for the various groups of farm people.

MR. KIRKLEY

EDUC 302—EDUCATIONAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the nature, capacities, equipment, growth and development of the learner, the role of the environment, the nature and promotion of learning, the growth and maturity of personality and the evaluation of progress in education.

MR. STRIBLING

EDUC 305—PRINCIPLES OF EDUCATION—3 cr. (3 and 0)

A study is made of the principles and practices of general and vocational education, characteristics of learning, knowledge and thinking ability, motor, moral, and appreciative reactions, choice of subjects and activities, influence of age, maturity and individual differences, appraising results of education.

MR. WASHINGTON

MR. WHITE

EDUC 307—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The purpose of this course is to develop an industrial background for the teacher who is to have charge of a comprehensive industrial program in a community where an effort is being made to train young men and adult industrial workers in the individual skills of productive employment in industrial occupations. This includes woodworking, painting, metal working, and drafting, and also the interplay of skills between these as adapted to teaching situations.

MR. BROCK

EDUC 308—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The student is required to select his projects, furnish materials, make preliminary plans and sketches for them, and have these approved by the instructor. At the completion of each project in the laboratory the student is carefully examined concerning the work he has done.

MR. BROCK

EDUC 332—ORGANIZATION OF COURSES OF STUDY—3 cr. (3 and 0)

A study is made of purpose, scope, and use of job analysis in writing courses of study, writing and using instruction sheets for teaching, constructing achievement tests in industrial subjects. The student is required to select some subject and write a course of study based upon analyses of work covered under that subject. Prospective teachers are urged to select subjects which they expect to teach later.

MR. BROCK

EDUC 401—METHODS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

In this course, problems in teaching vocational agriculture in high school teaching are considered. Some of the problems are as follows: organizing the teaching program; planning the course of study; making lesson plans; conducting field trips; farm shop work; Future Farmer work; supervised practice programs; and visual aids.

MR. MONROE

EDUC 402—DIRECTED TEACHING IN INDUSTRIAL SUBJECTS—6 cr. (1 and 15)

A study is made of organizing class, selection of teaching materials, planning work, discipline, teaching methods, examinations and grading,

cooperation with school personnel, records and reports, inventories, and upkeep of equipment. Each student teacher periodically is given an opportunity to teach some industrial subject. During his teaching period, he is responsible for his class just as if he were an employed teacher of that subject, including conforming to the high school schedule and registration period (See page 99). *Prerequisite:* Six semester credits in Professional Education, and approval of instructor.

MR. BROCK

EDUC 403—DIRECTED TEACHING: ALL-DAY CLASSES—3 cr. (0 and 9)

The purpose of this course is to develop the ability of prospective teachers to organize courses in vocational agriculture based on community farm problems and practices, to conduct classes in accordance with sound educational principles of teaching, to gain experience in teaching, and to develop confidence in themselves as teachers. During the course, opportunity is given to observe and teach in high school departments of vocational agriculture, under the supervision of the local teacher and a member of the agricultural education faculty (see page 99). *Prerequisite:* This course should follow or be taken concurrently with Educ 401.

AGRICULTURAL EDUCATION STAFF

EDUC 404—DIRECTED TEACHING: ADULT GROUPS—3 cr. (0 and 9)

This course should be taken concurrently with Educ 403. In it farmers' practices are secured and evaluated, pertinent information organized and taught. The supervision of the improvement of the farming practices of adult or special groups of farmers is given careful consideration, as well as teaching farmers to secure and use the cannery, shop and other community services.

AGRICULTURAL EDUCATION STAFF

EDUC 412—DIRECTED TEACHING IN HIGH SCHOOL SUBJECTS—6 cr. (1 and 15)

Supervised practice teaching is given in the natural and physical sciences, mathematics, civics, etc., in order to develop skill in the best methods of teaching these subjects. (Enrollment is by individual approval and may be dependent upon observing the high school schedule including registration, (see page 99). A study is made of selection of subject matter, planning work, methods of teaching, examinations, grading, discipline, cooperation with school personnel, records, and reports. *Prerequisite:* Six semester credits in Professional Education, and approval of instructor.

MR. GENTRY

EDUC 415—ADMINISTRATION OF VOCATIONAL AND OTHER SCHOOLS—
3 cr. (3 and 0)

A course to acquaint the prospective teacher with modern administration technique in public education. Topics covered include: The public school curriculum, the administration of vocational departments, the duties of the principal and his relationship to the school board. Attention is also given to certain legal phases of school administration.

EDUC 421—COORDINATION METHODS IN VOCATIONAL EDUCATION—2 cr.
(2 and 0)

A study is made of the major occupations in the United States and in South Carolina in order that prospective teachers may become informed as to possibilities in them and more intelligently give guidance to high school students. A survey is made of the youth problem, employment trends, general industrial conditions, kind of men industries want, survey of industrial plants, testing for mechanical aptitude, organizing occupations course in high school.

MR. BOOKER

EDUC 422—PROBLEMS IN ADULT EDUCATION—3 cr. (3 and 0)

This course should follow or be taken concurrently with Educ 404. Determining the needs, securing and organizing necessary instructional material, planning lessons; teaching and supervising adult farmers or special groups receive major emphasis. The use of surveys, visual aids, publicity, school canneries, shop and other community services is included.

MR. BOWEN MR. KIRKLEY

EDUC 424—TECHNIQUE OF TEACHING—3 cr. (3 and 0)

The purpose of this course is to acquaint the prospective teacher with the most significant problems in trade and industrial teaching, to propose solutions for these problems consistent with most authoritative information available. The course covers methods of teaching mathematics, science and other appropriate subject matter; organizing classes; selection of equipment and tools; ways of securing materials and supplies for school shop; introducing, financing, and advertising a shop program; methods of teaching; and discipline.

MR. GENTRY

EDUC 458—HEALTH EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide prospective teachers with information which is needed in order that they may cooperate effectively with public health agencies in the promotion of improvement in the health of school pupils. Emphasis will be placed on problems of sanitation, nutrition, personal hygiene, health records, and immunization. A study of safety practices is also included.

MR. GENTRY

EDUC 497—AUDIO-VISUAL AIDS IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide opportunities for study and use of moving pictures, film strips, cameras, photographs, charts, maps, globes, recording and sound devices, x-rays, radio, and other devices for preparing material and for teaching.

MR. BROCK

ELECTRICAL ENGINEERING

MR. RHODES

MR. TINGLEY
 °MR. HALLMARK
 MR. ADAMS
 MR. GILES

MR. GOODIN
 MR. KERSEY
 MR. LONG
 MR. POE

MR. BALL
 MR. BELLAMY
 MR. JONES

E E 211—ELECTRIC CIRCUITS—3 cr. (3 and 0)

An introductory course in fundamental theory of electric and magnetic circuits with illustrative applications to electrical apparatus. *Prerequisite:* Enrollment in Math 203 and Phys 212 and 214.

MR. ADAMS MR. JONES

E E 212—ELECTRIC FIELDS—3 cr. (2 and 3)

A continuation of E E 211 embracing the study of electromagnetic and dielectric fields and simple transients. Contains a correlated laboratory course. *Prerequisite:* E E 211; Phys 212, 214; and enrollment in Math 204.

MR. RHODES MR. JONES

°On leave

E E 303—ELECTRIC CIRCUITS AND MACHINES—4 cr. (3 and 3)

An elementary course in circuits and machines and their applications in industry. Planned for Chemical Engineering, Ceramic Engineering, Civil Engineering, Agricultural Engineering and Industrial Education students. *Prerequisite:* All mathematics and physics courses listed in the respective curricula in which E E 303 is required.

MR. POE

E E 304—VOCATIONAL ELECTRICITY—2 cr. (1 and 3)

A brief course designed to assist Industrial Education students in planning electrical courses for high school students. *Prerequisite:* E E 303.

MR. JONES

E E 307—DIRECT-CURRENTS AND MACHINES—4 cr. (3 and 3)

Fundamental theory of direct-currents and machines with special emphasis on operating characteristics and industrial applications. *Prerequisite:* Math 203, and 204; Phys 211, 212, 213, and 214.

MR. GOODIN

E E 308—ALTERNATING-CURRENT CIRCUITS AND MACHINES—4 cr. (3 and 3)

A continuation of E E 307 designed for a similar study of alternating-currents and machines with typical industrial applications. *Prerequisite:* E E 307.

MR. LONG MR. ADAMS

E E 311—DIRECT-CURRENT MACHINERY—4 cr. (3 and 3)

The theory, construction, and operating characteristics of direct generators, motors and control equipment, accompanied by a coordinated series of laboratory tests. *Prerequisite:* E E 211 and 212.

MR. KERSEY

E E 315—ALTERNATING-CURRENT CIRCUITS—3 cr. (3 and 0)

A comprehensive study of alternating-current fundamentals. Use of the vector algebra method of solution of circuit problems. *Prerequisite:* E E 211 and 212.

MR. LONG

E E 316—ALTERNATING-CURRENT CIRCUITS—4 cr. (3 and 3)

A continuation of E E 315 including the solution of problems involving non-sinusoidal currents, coupled circuits and balanced and unbalanced polyphase systems. Coordinated laboratory experiments included. *Prerequisite:* E E 315.

MR. POE

E E 320—ELECTRONICS—4 cr. (3 and 3)

An introduction to electron tubes and circuits. Embraces thermionic emission, vacuum and gas filled tubes, photo-sensitive devices, cathode-ray tubes and rectifiers. Includes laboratory investigations and demonstrations. *Prerequisite:* E E 315; and enrollment in E E 316.

MR. LONG

E E 405—ELECTRICAL DESIGN—1 cr. (0 and 3)

The application of fundamental principles of electric and magnetic circuits through a series of design problems correlating with direct-current and alternating-current machinery courses. *Prerequisite:* E E 311, and enrollment in E E 411.

MR. RHODES

E E 406—ELECTRICAL DESIGN—1 cr. (0 and 3)

A continuation of E E 405 with specific application to synchronous and induction machinery problems. *Prerequisite:* E E 411.

MR. RHODES

E E 411—ALTERNATING-CURRENT MACHINERY—5 cr. (3 and 6)

The application of fundamental circuit theory to alternating-current machinery. Study of the construction, theory, and operating characteristics of transformers and synchronous generators and motors. *Prerequisite:* E E 311, 316.

MR. TINGLEY MR. GILES

E E 412—ALTERNATING-CURRENT MACHINERY—4 cr. (3 and 3)

A continuation of E E 411 covering the theory, operating characteristics and industrial applications of induction motors, converters, and the principal types of commutator motors. *Prerequisite:* E E 411.

MR. RHODES MR. TINGLEY

E E 415—ADVANCED CIRCUITS—3 cr. (3 and 0)

A continuation of E E 315 and E E 316 embracing studies of transmission line calculations, electric filters, symmetrical components and power short-circuit calculations. *Prerequisite:* E E 316.

MR. BEYER

E E 422—ELECTRIC DISTRIBUTION—2 cr. (2 and 0)

Technical and economic features of electrical power distribution systems for urban and rural areas. Includes reference studies. *Prerequisites:* E E 311, E E 316 and enrollment in E E 411.

MR. GILES

E E 425—ELECTRIC TRANSIENTS—3 cr. (2 and 3)

A course, largely experimental, covering physical phenomena and mathematical analysis of electric circuits and machines in transient state. Open to a limited number of advanced Electrical Engineering students. *Prerequisite:* E E 316, Math 306 and enrollment in E E 411.

MR. TINGLEY

E E 427—ADVANCED A.C. MACHINERY—3 cr. (3 and 0)

Supplementary to E E 411 and E E 412 and covering special and more complex features of alternating equipment. Planned for Electrical Engineering students electing Electric Power engineering. *Prerequisite:* E E 411; and enrollment in E E 412.

MR. RHODES

E E 431—RADIO COMMUNICATION—4 cr. (3 and 3)

A study of the component circuits involved in radio communication systems; audio and radio frequency amplifiers, detectors, oscillators, amplitude modulation systems, power supplies and transmitter and receiver circuits. *Prerequisite:* E E 316, E E 320 and enrollment in E E 415.

MR. LONG

E E 432—RADIO COMMUNICATION—4 cr. (3 and 3)

A continuation of E E 431. Includes frequency modulation, antennas and radio frequency transmission lines, ultra high frequency oscillators and detectors, and elementary acoustics and sound systems. *Prerequisite:* E E 431.

MR. LONG

E E 434—INDUSTRIAL ELECTRONICS—3 cr. (2 and 3)

A course embracing the theory and applications of electronic equipment especially designed for industrial applications with special emphasis given to the study of rectifiers, high frequency heating, welding controls, x-ray analysis, speed and voltage regulators, synchronizers, timers, etc. *Prerequisite:* E E 320 and E E 411.

MR. TINGLEY

E E 436—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations, wave guides, radiation, antennas and propagation of waves in space. *Prerequisite:* E E 431.

MR. ADAMS

ENGLISH

MR. H. M. COX

MR. KINARD	MR. FELDER	MR. BENNETT
MR. J. C. GREEN	MR. MCGEE	MR. CASKEY
MR. LANE	MR. POWELL	*MR. J. T. COX
MR. OWINGS	MR. PURSER	MR. GOLDBAR
MR. TAYLOR	MR. WATSON	MR. HOLT
MR. C. B. GREEN	MR. WILSON	MR. TYNER
*MR. MACINTOSH	MR. WINTER	MR. VAN FOSSEN

ENGL 100—REMEDIAL ENGLISH—Non-credit (3 and 0)

A refresher course for students failing the placement test for English 101; a thorough review of grammar, punctuation, and sentence structure with drill in general correctness; some study of the principles of the paragraph, the whole composition, and letter writing.

THE ENGLISH STAFF

*On leave.

ENGL 101—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A course intended to train the student in correct and effective expression and to acquaint him with the various kinds of good writing. *Prerequisite:* Satisfactory score on the English Placement test or successful completion of Engl 100.

THE ENGLISH STAFF

ENGL 102—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A continuation of the work of English 101 with word study, a wider scope of reading, and special attention to longer pieces of writing. *Prerequisite:* Engl 101.

THE ENGLISH STAFF

ENGL 203—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A study of the chief authors and works in English literature from *Beowulf* to the beginning of the Romantic movement. *Prerequisite:* Engl 101 and 102.

THE ENGLISH STAFF

ENGL 204—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A continuation of English 203 including a study of the chief authors of the Romantic and Victorian periods. *Prerequisite:* Engl 101 and 102.

THE ENGLISH STAFF

ENGL 300—ENGLISH AT WORK—1 to 4 cr.

A study of the duties and responsibilities shouldered by students who edit uncensored publications. Professional journalists and other qualified individuals from the campus and elsewhere lead the discussions and offer constructive criticism. As often as practicable, the most recent issue of a student publication is selected for discussion. Enrollment is limited to staff members of student publications. Extra credits by approval of Faculty Adviser only. *Prerequisite:* Engl 101 and 102.

MR. LANE

ENGL 301—PUBLIC SPEAKING—3 cr. (3 and 0)

A course of practical training in public speaking: the improvement of articulation, voice, and platform presence; the writing and delivery of short speeches; impromptu and extemporaneous speaking and debating; dummy broadcasting and drill with recording equipment for improvement in voice and oral composition. *Prerequisite:* Engl 203 and 204.

THE ENGLISH STAFF

ENGL 305—EXPOSITORY WRITING—3 cr. (3 and 0)

Training in the processes of expository writing or explanation; the qualities and tools of exposition; various forms of expository writing. *Prerequisite:* Engl 203 and 204.

MR. PURSER

ENGL 400—THE THESIS—1 cr. (0 and 3)

A course in practical guidance to the student in making research and presenting the results in proper form; statement of the problem with origin and history; object and scope of the investigation; application of results; plan of procedure. (To be prepared under the direction of a member of the School of Arts and Sciences and approved by him, as to content, and by a member of the English Department, as to form.) *Prerequisite:* Engl 203 and 204.

ENGL 405—SHAKESPEARE—3 cr. (3 and 0)

To give the student as comprehensive an acquaintance as possible with Shakespeare's plays and some understanding of his development as a dramatist. *Prerequisite:* Engl 203 and 204.

MR. TAYLOR

ENGL 406—SHAKESPEARE—3 cr. (3 and 0)

A continuation of the work as outlined in Engl 405. *Prerequisite:* Engl 203 and 204.

MR. TAYLOR

ENGL 409—CHAUCER—3 cr. (3 and 0)

A study of the language, verse forms, and stories of Chaucer; reading from the *Prologue and the Canterbury Tales*; supplementary reading of historical and critical authors. *Prerequisite*: Engl 203 and 204.

ENGL 410—CHAUCER—3 cr. (3 and 0)

Continuation of the work of English 409 with wider reading in the works of Chaucer; reading of *Troilus and Creiseyde* with a study of motivation for the love casuistry and tragic element of the poem. *Prerequisite*: Engl 409.

ENGL 415—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Aeschylus to Ibsen, analysis of representative plays, writing of critical reports, practice in classroom reading of great scenes. *Prerequisite*: Engl 203 and 204.

MR. LANE

ENGL 416—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Ibsen to the present days, analysis of representative plays, writing of critical reports, classroom reading of great scenes, and discussion of all important aspects of modern drama. *Prerequisite*: Engl 203 and 204.

MR. LANE

ENGL 419—SELECTED MASTERPIECES—3 cr. (3 and 0)

A study of a variety of literary masterpieces, principally from English literature but including some world literature in English translation, with emphasis on acquaintance with and appreciation of individual outstanding works. *Prerequisite*: Engl 203 and 204.

MR. KINARD

ENGL 420—SELECTED MASTERPIECES—3 cr. (3 and 0)

A continuation of English 419 using different selections. *Prerequisite*: Engl 203 and 204.

MR. KINARD

ENGL 423—AMERICAN LITERATURE—3 cr. (3 and 0)

To give the student a more thorough knowledge and a deeper appreciation of the literature of the United States; beginning with the earlier selections and outstanding authors, the study ends with period immediately preceding the Civil War; special emphasis is given to Poe, Emerson, Hawthorne, and Melville. *Prerequisite:* Engl 203 and 204.

MR. J. C. GREEN

ENGL 424—AMERICAN LITERATURE—3 cr. (3 and 0)

A continuation of study from Whitman to the present with emphasis upon the literature of the South. *Prerequisite:* Eng 203 and 204.

MR. J. C. GREEN

ENGL 425—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

A study of the rise of Romanticism in English Literature; an evaluation of the contribution of the Eighteenth Century forerunners, followed by a study of Wordsworth, Coleridge, and Scott. *Prerequisite:* Engl 203 and 204.

MR. OWINGS

ENGL 426—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

Continuation of the work of English 425 with particular emphasis on the poets: Byron, Shelley, and Keats and on the essayists: Hazlitt, Lamb, DeQuincey, and Leigh Hunt. *Prerequisite:* Engl 203 and 204.

MR. OWINGS

ENGL 427—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Tennyson, Browning, Carlyle, and John Stuart Mill. Some consideration of the intellectual, social, and political life of England in the first half of the nineteenth century. *Prerequisite:* Eng 203 and 204.

MR. C. B. GREEN

ENGL 428—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Arnold, Swinburne, Ruskin, and Pater. An examination of some of the theories of life and art which influenced the writings of these men. *Prerequisite:* Eng 203 and 204.

MR. C. B. GREEN

ENGL 429—THE ENGLISH NOVEL—3 cr. (3 and 0)

A survey of major English novelists from Defoe to Scott. Selections will vary from year to year, and students will be allowed some latitude in their choice of readings. *Prerequisite*: Engl 203 and 204.

MR. H. M. COX

ENGL 430—THE ENGLISH NOVEL—3 cr. (3 and 0)

A continuation of English 429, with emphasis upon English Victorian novelists. *Prerequisite*: Engl 203 and 204.

MR. H. M. COX

ENGL 431—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A brief background survey of the literature and thought of the Restoration (Dryden, Denham, Cowley, Hobbes, Locke, Mandeville, Halifax, Bunyan, Evelyn, Pepys, Butler, Temple, Cibber, and Shaftesbury) followed by readings in Prior, Swift, Defoe, Pope, Gay, and Addison and Steele. *Prerequisite*: Engl 203 and 204.

MR. MACINTOSH

ENGL 432—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A study of Goldsmith, Johnson, Boswell, Burke, and the Earl of Chesterfield, together with some consideration of the poetry of Young, Thomson, Shenstone, Collins, Cowper, Gray, and Blake. *Prerequisite*: Engl 203 and 204.

MR. MACINTOSH

ENTOMOLOGY

MR. FARRAR

MR. DUNAVAN

MISS MCDANIEL

*MR. WARNHOFF

MR. WARE

ENT 301—ELEMENTARY AND ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

A general introduction to Entomology with emphasis on anatomy, metamorphosis, life-histories of our most important species and methods of control. *Prerequisite*: Zool 101 and 103.

MR. DUNAVAN

*On leave.

ENT 302—GENERAL ENTOMOLOGY—3 cr. (2 and 3)

This course designed especially for students who take major work in Entomology provides basic training in general phases of Entomology covering especially metamorphosis, classification, habits and characteristics of members of principal families of all orders of insects. Special attention is also given to technique of collecting and preserving insects. *Prerequisites:* Zool 101, 103 and Ent 301.

MR. DUNAVAN

ENT 401—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

This course affords training in identification and life-histories of injurious insects, their damage, and control measures. Common pests of the following are studied: corn, small grains, legume field crops, tobacco, sugar cane, stored grain and seed, livestock and man. *Prerequisites:* Zool 101, 103 and Ent 301.

MISS McDANIEL

ENT 402—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

An intensive study of insecticides and other control measures for insects. This is followed by detailed study of habits, life-histories and approved control measures for insect pests of all fruit and vegetable crops. *Prerequisites:* Zool 101, 103 and Ent 301.

MISS McDANIEL

ENT 405—INSECT MORPHOLOGY—3 cr. (2 and 3)

A course especially arranged for students with major work in Entomology. A detailed study of external and internal anatomy of insects. *Prerequisites:* Ent 301 and Ent 302.

MR. DUNAVAN

ENT 406—BEEKEEPING—3 cr. (2 and 3)

A study of practical beekeeping methods. Each student personally manages a hive of bees throughout the term. Special attention is given to bee behavior, spring and fall management and honey production methods. *Prerequisite:* Ent 301.

MR. DUNAVAN

ENT 451—RESEARCH TECHNIQUES AND METHODS—2 cr. (1 and 3)

A study of approved methods of investigating entomological problems. Each student conducts a study of the life history of several insects. Laboratory techniques using insects for biological research are applied to a minor problem.

MR. FARRAR

ENT 452—TAXONOMIC ENTOMOLOGY—2 cr. (1 and 3)

A study of principles involved in the systematic classification of insects with some attention to historical aspects including great taxonomists of the past. Intensive studies of generic characteristics of insects in several major families are made. *Prerequisite*: Zool 101, 103, Ent 301, and Ent 302.

MR. DUNAVAN

ENT 456—PARASITOLOGY—3 cr. (2 and 3)

Designed to give technical training in parasites affecting man and domestic animals. Life cycles, vectors, and practical controls are emphasized.

MR. WARE

ENT 460—SEMINAR—2 cr. (2 and 0)

Students review the principal journals pertaining to insects and related animals; also review the lives and activities of prominent pioneer entomologists. *Prerequisites*: Zool 101, 103 and 301; Ent 301 and 302.

MR. FARRAR

FORESTRY

MR. LEHOTSKY

FOR 201, 203—INTRODUCTION TO FORESTRY—3 cr. (2 and 3)

A general introduction to and survey of the field of forestry. An introductory course for pre-forestry students, and a survey of the field of regional, national and world forestry problems arranged for non-foresters. The forest resource and its place in human welfare.

MR. LEHOTSKY

FOR 202, 204—DENDROLOGY—4 cr. (3 and 3)

The identification of the commercially important trees of the United States including nomenclature; family, genus and species characteristics; range and distribution. Field identification of the trees native to South Carolina and of commonly planted exotics. *Prerequisites*: Bot 101 and 103.

MR. LEHOTSKY

FOR 205, 207—FARM FORESTRY—3 cr. (2 and 3)

A study of the general problems dealing with the scientific management of small forest areas. Tree identification, tree measurements, forest measurements, forest products, silvicultural management of the important forest types of the region, intermediate and final cuttings, plantations, marketing of forest products and forest protection. Laboratory and field work on college forest lands and forestry operations. *Prerequisites*: Bot 101, and 103.

MR. LEHOTSKY

FRENCH

MR. DEAN

MR. HARDEE

FR 101—ELEMENTARY FRENCH—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. DEAN

MR. HARDEE

FR 102—ELEMENTARY FRENCH—3 cr. (3 and 0)

A continuation of Fr 101, in which a reader is also used.

MR. DEAN

FR 201—INTERMEDIATE FRENCH—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Fr 102 and the beginning of more serious reading of French prose in short stories or novels.

MR. DEAN

FR 202—INTERMEDIATE FRENCH—3 cr. (3 and 0)

While attention is paid to writing and speaking French, more stress is laid on the rapid reading of more difficult French prose than in the earlier courses.

MR. HARDEE

FR 301—ADVANCED FRENCH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific French prose.

MR. DEAN

FR 302—ADVANCED FRENCH—3 cr. (3 and 0)

A continuation of Fr 301, with selections being made to suit the needs of the students.

MR. DEAN

GEOGRAPHY

MR. CARPENTER

GEOG 301—ECONOMIC GEOGRAPHY—3 cr. (3 and 0)

A study of the geographic conditions fundamental to the world's resources—agricultural, mineral, and industrial, and the conditions which affect their production, exchange, and consumption. A special study will be made of the South. *Prerequisite*: Junior Standing.

MR. CARPENTER

GEOG 302—GEOPOLITICS—3 cr. (3 and 0)

A study of the geopolitical pattern of great powers, nations and dependencies; their territorial structure, resources, and connections. An examination of the principles of political geography, their application to current history, from an American geographical viewpoint. *Prerequisite*: Junior Standing.

MR. CARPENTER

*GEOLOGY AND MINERALOGY***GEOL 201—AGRICULTURAL GEOLOGY—3 cr. (3 and 0)**

In this course the student is shown the relationships existing between geology and practical agricultural problems, especially those in connection with soil formation and adaptation. Soil making minerals and rocks; formation of soils and rocks, the question of the relation of underground water to springs, wells and drainage problems is considered.

GEOL 203—GENERAL GEOLOGY—3 cr. (3 and 0)

This course is intended to familiarize students with geology as applied not only to a thorough enjoyment of nature, but also to its many practical applications.

GEOL 204—GENERAL GEOLOGY—3 cr. (3 and 0)

In the second semester the evolution of the earth, through all of its changes to the geography and life of the present day, is traced.

GEOL 302—OPTICAL MINERALOGY—4 cr. (3 and 3)

A study of the use of the microscope for the identification of ceramic materials and the mineral constituents of ceramic products.

GEOL 306—MINERALOGY—4 cr. (3 and 3)

The purpose is to give the student a comprehensive knowledge of crystallography and descriptive and determinative mineralogy.

GEOL 402—METEOROLOGY—2 cr. (2 and 0)

A course designed to give the general principles of meteorology and climatology as applied to farming, aviation, and to those sciences which require a knowledge of such principles.

GEOL 406—ENGINEERING GEOLOGY—3 cr. (3 and 0)

A course that shows the practical application of geology to problems of engineering. Topographic and geologic maps are used extensively in connection with the text.

GERMAN

MR. RHYNE

GER 101—ELEMENTARY GERMAN—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. RHYNE

GER 102—ELEMENTARY GERMAN—3 cr. (3 and 0)

A continuation of Ger 101, in which a reader is also used.

MR. RHYNE

GER 201—INTERMEDIATE GERMAN—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Ger 102 and the beginning of more serious reading of German prose in short stories or novels.

MR. RHYNE

GER 202—INTERMEDIATE GERMAN—3 cr. (3 and 0)

While attention is paid to writing and speaking German, more stress is laid on the rapid reading of more difficult German prose than in the earlier courses.

MR. RHYNE

GER 301—ADVANCED GERMAN—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific German prose.

MR. RHYNE

GER 302—ADVANCED GERMAN—3 cr. (3 and 0)

A continuation of Ger 301, with selections being made to suit the needs of the students.

MR. RHYNE

GOVERNMENT

MR. EPTING

MR. CROUCH

*MR. WILLIAMS

MR. LAMBERT

MR. BOLEN

MR. CARPENTER

*MR. TUTTLE

MR. LANDER

MR. JUMPER

*MR. WEBB

Gov 101—AMERICAN NATIONAL GOVERNMENT—3 cr. (3 and 0)

A survey of the principles, structure, and functions of the national government of the United States. Not open to Juniors and Seniors.

STAFF

Gov 301—AMERICAN GOVERNMENT AND POLITICAL PARTIES—3 cr. (3 and 0)

A study of the constitution; powers and functions of executive, legislative, and judicial branches; citizenship; expansion of governmental activities; relations to the states, and territories. A study of the nature, development, organization, and methods of political parties, and the conduct of elections. *Prerequisite:* Not open to those who have completed Gov 101.

STAFF

Gov 302—STATE AND LOCAL GOVERNMENT—3 cr. (3 and 0)

An integrated study of American state and local government structural features, functions and legislative, administrative, and judicial processes. *Prerequisite:* Gov 101 or 301 and permission of the instructor.

MR. EPTING

Gov 401—COMPARATIVE GOVERNMENT—3 cr. (3 and 0)

A study of the historical development of present-day political institutions and a comparison of the functioning of these institutions in the United States, Great Britain, Russia, Switzerland, and other countries. *Prerequisite:* Gov 101 and permission of the instructor.

MR. BOLEN

*On leave

GOV 403—INTERNATIONAL RELATIONS—3 cr. (3 and 0)

To acquaint the student with current world movements and conditions, so that he may be able to think intelligently on the problems confronting our nation. *Prerequisite*: Senior standing.

MR. CROUCH

HISTORY

MR. EPTING

MR. BOLEN

MR. LAMBERT

°MR. TUTTLE

MR. LANDER

°MR. WILLIAMS

°MR. WEBB

MR. CARPENTER

MR. JUMPER

HIST 101—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic, and social development of the American people from the period of discovery to the end of the Civil War.

STAFF

HIST 102—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic and social development of the American people from the end of the Civil War to the present.

STAFF

HIST 301—HISTORY OF THE UNITED STATES SINCE 1865—3 cr. (3 and 0)

An advanced study of the political, social, and economic development of the United States since the end of the Civil War. *Prerequisite*: Junior standing. Not open to students who have completed Hist 102.

STAFF

HIST 303—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic and social institutions, as well as the outstanding personalities of Western Civilization from ancient times to 1648. *Prerequisite*: Junior standing or permission of instructor.

MR. BOLEN

*On leave

HIST 304—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic, and social conditions and institutions, as well as the outstanding personalities of Western Civilization from 1648 to the present. *Prerequisite*: Junior standing or permission of instructor.

MR. BOLEN

HIST 306—AMERICAN BIOGRAPHY—3 cr. (3 and 0)

A study of political leaders of the United States with emphasis on the significance of leadership in United States history and critical appreciation of biographical writing. *Prerequisite*: Junior standing.

MR. WILLIAMS

HIST 307—A DIPLOMATIC HISTORY OF THE UNITED STATES—3 cr. (3 and 0)

A history of United States foreign relations from 1775 to date with emphasis being placed upon the directing forces, particularly public opinion, that have shaped American diplomatic policies. Also stressed are the causes and results of all foreign wars in which the United States has been engaged. *Prerequisite*: Junior standing.

MR. LANDER

HIST 308—EUROPE SINCE 1918—3 cr. (3 and 0)

A history of Europe since the end of World War I with emphasis being placed upon the rise to power of the Communist, Fascist, and National Socialist regimes in Russia, Italy, and Germany, respectively. *Prerequisite*: Junior standing.

MR. BOLEN

HIST 309—HISTORY OF ENGLAND—3 cr. (3 and 0)

A study of the economic, political, and social institutions of the English people from early times to the present. *Prerequisite*: Junior standing.

MR. BOLEN

HIST 311—HISTORY OF LATIN AMERICA—3 cr. (3 and 0)

A survey of the political, economic, social, and cultural development of Latin America. *Prerequisite*: Junior standing.

MR. EPTING

HIST 401—HISTORY OF SOUTH CAROLINA—3 cr. (3 and 0)

A study of the political, economic and social conditions and institutions of South Carolina from 1670 up to the present.

A special feature is a study of the outstanding personalities and of the historical literature. *Prerequisite:* Junior or Senior standing or permission of instructor.

MR. EPTING

HIST 403—HISTORY OF THE SOUTH TO 1865—3 cr. (3 and 0)

A study of the geography and climate of the South and the origins and development of political, economic, social, and cultural institutions. *Prerequisite:* Junior standing.

MR. WILLIAMS

HIST 404—HISTORY OF THE SOUTH SINCE 1865—3 cr. (3 and 0)

A study of the economic and social changes in the South during the Reconstruction period and of trends in industrialization, agriculture, politics, race relations, and culture to the present. *Prerequisite:* Junior standing.

MR. LANDER

HIST 405—THE AMERICAN FRONTIER—3 cr. (3 and 0)

A course dealing specifically with American expansion westward from the original colonies. This course will consider the westward movement in respect to population, political, economic, social and cultural development; analyze the process of national adjustments; and weigh the contributions of each succeeding period. It will consider both the early West and the Trans-Mississippi West. *Prerequisite:* Junior standing.

MR. WILLIAMS

HIST 406—HISTORY OF MANUFACTURING IN THE UNITED STATES—3 cr. (3 and 0)

A study of the sustained growth of manufacturing in the United States since the Revolutionary War. Particular emphasis is placed on the history of major basic industries. The course will consider the economic, political, and social effects of industrial growth on American history. *Prerequisite:* Junior standing, or permission of the instructor.

MR. WILLIAMS

HORTICULTURE

MR. MUSSER

MR. GARRISON
MR. SEFICKMR. VAN BLARICOM
MR. SENN

MR. THODE

HORT 201—GENERAL HORTICULTURE—3 cr. (2 and 3)

A study of the fundamental plant processes, the influence of light, temperature, water and nutrients upon vegetative growth and reproduction of horticultural crops. Production practices, harvesting, storage and marketing of the principal fruit, vegetable and ornamental crops are discussed with demonstrations and practice in greenhouse and orchard. *Prerequisite:* Bot 101, 103 and Chem 101.

MR. SEFICK MR. SENN

HORT 301—PRINCIPLES OF VEGETABLE PRODUCTION—3 cr. (2 and 3)

A study of the general principles of vegetable growing and handling. Phases receiving special emphasis are: economic importance, producing areas, management practices, plant forcing, cultural practices, irrigation, quality factors, harvesting, grading, packing, storage, market inspection, transportation, refrigeration, exhibition, roadside marketing, and seed production. *Prerequisite:* Hort 201.

MR. GARRISON

HORT 305—PLANT PROPAGATION AND NURSERY MANAGEMENT—3 cr. (2 and 3)

A study of methods of propagation; time, manner, and material for making cuttings; temperature and media for rooting cuttings of ornamental trees, shrubs and flowering plants; propagating structures, soils, fertilizers, and management methods for commercial nurseries. Practical instruction given in field and greenhouse. *Prerequisite:* Hort 201.

MR. THODE

HORT 306, 308—ELEMENTARY LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of plant material used in landscape design; instruction in landscaping and developing home grounds and execution of design.

MR. THODE

HORT 401, 403—LANDSCAPE DESIGN—3 cr. (2 and 3)

Instruction in the use of plant material used in landscaping homes, parks and small estates and designing of larger areas. Designs to be executed in detail. *Prerequisites*: Hort 306 and 308.

MR. THODE

HORT 402, 404—GARDEN DESIGN—3 cr. (2 and 3)

Instruction in design of both formal and informal gardens; use of herbaceous plant material and execution of plans. *Prerequisites*: Hort 306 and 308.

MR. THODE

HORT 405—NUT CULTURE AND SPRAYS—3 cr. (2 and 3)

Part I—Nut Culture—a study of production, harvesting and marketing of the principal nut crops with emphasis on the pecan.

Part II—Sprays and application equipment—a study of the properties of spray chemicals, their influence on plant functions, effectiveness in controlling pests of horticultural crops and methods of application. *Prerequisite*: Hort 201.

MR. SEFICK

HORT 409—SEMINAR—1 cr. (1 and 0)

A study of recent research work on various phases of horticulture, methods of conducting investigations and preparation of report of investigations.

MR. MUSSER AND STAFF

HORT 410—SEMINAR—1 cr. (1 and 0)

A continuation of Hort 409.

MR. MUSSER AND STAFF

HORT 415—FLORICULTURE—3 cr. (2 and 3)

A study of greenhouse production of commercial flower crops, soils, fertilizers, greenhouse diseases and insects, flower crops (major crops: roses, carnations, chrysanthemums; minor crops: sweet peas, snapdragons,

violets, calendula, asters, gardenia, poinsettia, bulbs in variety) to be grown on benches and as pot plants; marketing and costs of production. *Prerequisites:* Hort 201 and 305.

MR. THODE

HORT 451—SYSTEMATIC POMOLOGY AND SMALL FRUIT CULTURE—3 cr. (2 and 3)

Part I—Systematic Pomology—A study of the structure of fruit plants—physiological characters; methods of work in systematic pomology; habitat, history, color, form, structure, flavor and use of fruits; judging and displaying fruits.

Part II—Small Fruit Culture—A study of varieties, soils, sites, culture, fertilizers, harvesting and preparation for marketing of grapes, strawberries, dewberries, blackberries, raspberries and other small fruits. *Prerequisite:* Hort 201.

MR. MUSSER

HORT 452—COMMERCIAL POMOLOGY—3 cr. (2 and 3)

A study of fruit bud formation, rest period and water relations of fruit plants, soils, fruit setting; orchard soil management and responses of various fruits to fertilizers, principles of pruning, effect of climatic differences, freezing of tissues and means of avoiding injury, harvesting, transportation, and storage. *Prerequisite:* Hort 201.

MR. MUSSER

HORT 455—BREEDING HORTICULTURAL CROPS—3 cr. (2 and 3)

A study of the principles and practices of plant breeding. The principal topics include: inheritance of characters, modes of reproduction, techniques of selfing and crossing, selection, hybridization, disease and insect resistance, application of biometrical analysis, and field plot technique. *Prerequisite:* Agron 302.

MR. GARRISON

HORT 456—TRUCK CROPS—3 cr. (2 and 3)

A detailed study of the principles and practices employed in the growing and marketing of truck crops. Emphasis is placed on plant characteristics, varieties, soils, fertilizers, harvesting, and preparation for market. *Prerequisite:* Hort 201.

MR. GARRISON

HORT 460—ADVANCED LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of civic improvement, mill villages, public buildings, squares, parks, storm water control, water courses, lakes, lawns, drives, and walks; trees and shrubs and their requirements; study of finished problems in landscape design, original problems, field work and costs. *Prerequisite:* Hort 306, 308 and 401, 403.

MR. THODE

HORT 464—FOOD PRESERVATION—3 cr. (2 and 3)

Theoretical background and fundamental processes of food preservation. The course includes modern canning technique for community and commercial canneries; frozen food preservation; study of important crops grown in South Carolina suitable for canning; factors which influence the commercial operation of a cannery; causes of food spoiling; factors which influence quality packs; U. S. Standard grades for canned goods; and a study of jams, jellies and preserves, dehydration and pickle manufacturing. *Prerequisite:* Bact 301 and 303.

MR. VAN BLARICOM

INDUSTRIAL ARTS

MR. MARSHALL

IN AR 101—GENERAL WOODWORK—1 cr. (0 and 3)

A general course designed to teach the fundamental principles of woodworking. Tool processes, common to all woodworking trades, will be stressed. Cabinet making will be emphasized throughout the course, because of its universal interest and appeal to both young and old.

MR. MARSHALL

IN AR 302—INDUSTRIAL ARTS—1 cr. (0 and 3)

An elective course in advanced machine woodworking. Making of well-designed furniture and cabinets. Wood finishing materials and their application. *Prerequisite:* In En 202 or In Ar 101.

MR. MARSHALL

IN AR 303—INDUSTRIAL ARTS—2 cr. (1 and 3)

A course to include project construction, finishing, care of shop tools and equipment, characteristics of woods, fasteners, finishing materials, glues, and the shop budget.

MR. MARSHALL

IN AR 304—SPECIAL METHODS IN INDUSTRIAL ARTS—2 cr. (1 and 3)

A study in fundamental skills, knowledges, and appreciation of wood-work. Special technique and method of approach in teaching shop subjects in high schools are also covered.

MR. MARSHALL

INDUSTRIAL ENGINEERING

MR. FREEMAN

MR. MARSHALL

MR. COUCH

MR. MEEKS

MR. BROCK

MR. STENSTROM

IN EN 101—METAL PROCESSES—2 cr. (0 and 6)

A study of forge equipment; materials used in forgings, selections of materials, method of working and treating, heat treating, and case hardening. A study of materials used in foundry; the cupola, moulding sand, cores, patterns, the crucible furnace, the cleaning and inspection of castings. A study of welding equipment; safety practices, jigs, inspection and testing of welds. Lectures and demonstrations accompany this work.

MR. COUCH MR. MEEKS

IN EN 201—METAL PROCESSES—2 cr. (0 and 6)

A study of metal cutting processes, including the possibilities and limitations in machine tool operation, job order, lot intermittent and mass production principles. The work is covered by lecture and shop practice with the fundamental machine and hand tools. *Prerequisite:* D D 106, Math 103, In En 101.

MR. FREEMAN MR. STENSTROM

IN EN 202—WOOD PROCESSES—2 cr. (0 and 6)

A study of the most suitable materials, hand and machine tools used in the construction of wood patterns. The fundamental processes involved in the fashioning of typical patterns, keeping in mind the relations of the allied department, particularly those of the foundry.

MR. BROCK MR. MARSHALL

IN EN 205—CONSTRUCTION MATERIALS—2 cr. (2 and 0)

A study of the sources of materials used in industry; a study of wood, concrete, ferrous alloys, non-ferrous materials, brick, tile, and other building materials. This course is designed to help the engineer to select the proper material for any given job.

MR. COUCH

IN EN 302—WELDING—2 cr. (1 and 3)

A study of the identification and weldability of metals; the equipment used; safe practices; welding materials and supplies; pre-treatment and after-treatment of welds; jigs and fixtures; inspection and testing; the cost of welding. *Prerequisite:* In En 101.

MR. COUCH

IN EN 402—METALLURGY—3 cr. (2 and 3)

A general course in the fundamentals of engineering physical metallurgy. The course is designed to give students in other fields of engineering a general working knowledge of problems involving ferrous and nonferrous physical metallurgy. *Prerequisite:* Chem 101 and 102.

MR. FREEMAN

MATHEMATICS

MR. SHELDON

MR. BELL	MR. ARMSTRONG	MR. JOHNSON
*MR. BREWSTER	MR. BROWN	MR. NOWACK
MR. BRYAN	MR. PARK	MR. POTTER
MR. COKER	MR. STANLEY	*MR. SULLIVAN
MR. EDWARDS	MR. STUART	*MR. VAUSE
MR. KELLY	MR. HARDEN	MR. WADE
MR. KIRKWOOD	*MR. HIND	MR. WILSON
MR. LAGRONE		
*MR. MILLER		

MATH 100—REMEDIAL MATHEMATICS—Non-credit (5 and 0)

Required of all entering freshmen who fail to make a satisfactory grade on the placement examination in mathematics.

An intensified review of the basic principles of high school mathematics which are prerequisite for the study of college mathematics.

STAFF

*On leave

MATH 101—COLLEGE ALGEBRA—3 cr. (3 and 0)

A study of elementary college algebra including the fundamental operations, factoring and fractions, equations, ratio and proportion, functions and their graphs, exponents, radicals, quadratic equations. *Prerequisite:* A satisfactory grade on the placement examination.

STAFF

MATH 102—TRIGONOMETRY (PLANE)—3 cr. (3 and 0)

A study of the trigonometric functions, the solution of right and oblique triangles, trigonometric identities, trigonometric equations, graphs of the trigonometric functions, inverse trigonometric functions. *Prerequisite:* A satisfactory grade on the placement examination.

STAFF

MATH 103—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

Six weeks of college algebra followed by twelve weeks of plane trigonometry. *Prerequisite:* A satisfactory grade on the placement examination.

STAFF

MATH 104—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

A course in analytic geometry including the straight line, the conics, transformation of coordinates, equations and their loci, followed by an introduction to solid analytic geometry. *Prerequisite:* Math 103.

STAFF

MATH 203—DIFFERENTIAL CALCULUS—5 cr. (5 and 0)

A study of differentiation and its application to maxima and minima problems, curve tracing, curvature, rates, differentials. *Prerequisite:* Math 104.

STAFF

MATH 204—INTEGRAL CALCULUS—5 cr. (5 and 0)

A study of integration and its application to areas, volumes, lengths of curves, multiple integration, engineering problems. *Prerequisite:* Math 203.

STAFF

MATH 301—ADVANCED ALGEBRA—3 cr. (3 and 0)

An advanced treatment of ratio and proportion, variation, progressions, surds, imaginary quantities, equations, permutations, binomial and multinomial expansions, inequalities. *Prerequisite:* Math 104.

MR. STANLEY

MATH 302—THEORY OF EQUATIONS—3 cr. (3 and 0)

A study of complex numbers, theorems on roots of polynomial equations, constructibility, approximations, determinants, matrices and symmetric functions. *Prerequisite:* Math 104.

MR. ARMSTRONG

MATH 303—STATISTICS—3 cr. (3 and 0)

A study of graphs, frequency distributions, averages, measures of dispersion, moments, the normal curve, curve fitting, correlation, and index numbers. *Prerequisite:* Math 104.

MR. JOHNSON

MATH 304—STATISTICS—3 cr. (3 and 0)

A continuation of Math 303. The mathematical basis of statistics will be emphasized in this course. The topics covered will include the theory of probability, the binomial distribution, the Chi-square distribution, theory of sampling, reliability of statistical differences, sequential analysis. *Prerequisite:* Math 204.

MR. JOHNSON

MATH 305—INTERMEDIATE CALCULUS—3 cr. (3 and 0)

A short review of the theory of differentiation and integration followed by a study of parametric equations, polar equations, curvature, theorem of mean value, reduction formulas, series, expansion of functions, averages, hyperbolic functions, some solid analytic geometry, partial differentiation, multiple integrals. *Prerequisite:* Math 204.

MR. KIRKWOOD

MATH 306—ORDINARY DIFFERENTIAL EQUATIONS—3 cr. (3 and 0)

Differential equations of the first order and first degree, equations of the first order but not of the first degree, linear differential equations, applications to physics and engineering. *Prerequisite*: Math 204.

MR. KELLY MR. STUART

MATH 401—COLLEGE GEOMETRY—3 cr. (3 and 0)

Theorems and concepts more advanced than those of high-school geometry. Detailed treatment of the various properties of the triangle, including the notable points, lines, and circles associated with it. *Prerequisite*: Math 104.

MR. WILSON

MATH 451—VECTOR ANALYSIS—3 cr. (3 and 0)

A study of the algebra and calculus of vectors in two and three dimensions with applications to physics, geometry and engineering problems. *Prerequisite*: Math 305.

MR. PARK

MATH 453—ADVANCED CALCULUS—3 cr. (3 and 0)

A more extensive study of the differential and integral calculus than is given in the intermediate course with emphasis on applications and an introduction to theoretical questions. Topics include: power series, partial differentiation, implicit functions, the definite integral. *Prerequisite*: Math 305.

MR. COKER

MATH 454—ADVANCED CALCULUS—3 cr. (3 and 0)

A continuation of Math 453. Topics include: Gamma and Beta functions; line, surface, and space integrals; Bessel functions; partial differential equations; calculus of variations; introduction to functions of a complex variable. *Prerequisite*: Math 453.

MR. COKER

MATH 455—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A study of advanced mathematical topics pertinent to the field of engineering. Physical applications are stressed by the presentation of problems relating to the several branches of engineering. Topics include ordinary and partial differential equations, hyperbolic functions, infinite series, Fourier series, and Gamma and Bessel functions. *Prerequisite:* Math 306.

MR. PARK

MATH 456—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A continuation of Math 455. Further topics include functions of a complex variable, vector analysis, probability, and operational calculus. *Prerequisite:* Math 306.

MR. PARK

MECHANICAL ENGINEERING

MR. FERNOW

MR. SAMS

MR. COOK

MR. HUDSON

MR. LEWIS

MR. SUTTON

MR. KERR

MR. WATSON

*MR. EDWARDS

MR. PERRY

MR. HARRELSON

M E 211—MECHANICAL ENGINEERING—2 cr. (2 and 0)

A study of the fundamentals of steam power, boilers, fuels, combustion and auxiliary equipment, gas power, internal combustion engines, auxiliary apparatus and related equipment.

MR. LEWIS

MR. WATSON

M E 213—ENGINEERING PROBLEMS—1 cr. (0 and 3)

To develop neatness, self-confidence, and an analytical approach to the solution of engineering problems. A review of logarithms; fundamentals of the slide rule and its application to practical engineering problems; an introduction to steam tables with practical problems in steam. *Prerequisite:* Math 103, 104 and enrollment in M E 211.

MR. KERR

*On leave

M E 302—MECHANICAL ENGINEERING—3 cr. (3 and 0)

Elements of steam and gas power plants including fuels and combustion, gas and vapor processes and cycles, properties of air and steam, steam and gas engines, turbines, auxiliaries, and refrigeration. *Prerequisite:* Phys 211, 212; Math 204 or enrollment in Math 204.

MR. HARRELSON

M E 305—HEAT POWER—3 cr. (3 and 0)

Thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. *Prerequisite:* Math 203 and 204; Physics 211 and 212.

MR. KERR

M E 306—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 305. Thermodynamics of vapors with application to steam boilers, engines, turbines, power plant cycles, refrigeration and heat transfer problems. *Prerequisite:* M E 305.

MR. PERRY

M E 307—MECHANICAL ENGINEERING LABORATORY—1 cr. (0 and 3)

Study and calibration of weights, pressure, area, and fluid flow measuring devices, testing of pumps, engines, fans and compressors. Designed primarily for Civil and Agricultural Engineering students. *Prerequisite:* Enrollment in M E 305 or M E 311.

MECHANICAL ENGINEERING STAFF

M E 309—MECHANICAL LABORATORY—1 cr. (0 and 3)

The study and calibration of weight, pressure, area, and fluid flow measuring devices; flue gas analysis, power plant piping, lifting devices, centrifugal pump, and heat transfer. *Prerequisite:* Enrollment in M E 305 and 306.

MECHANICAL ENGINEERING STAFF

M E 310—MECHANICAL LABORATORY—1 cr. (0 and 3)

A study of the performance tests of steam turbines, blowers, Diesel engines, unafflow engines, air compressors and hydraulic turbines. *Prerequisite:* M E 309 and enrollment in M E 306.

MR. HARRELSON

M E 311—HEAT POWER—3 cr. (3 and 0)

Thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. *Prerequisite:* Math 203 and 204; Physics 211 and 212; M E 211 and 213.

MR. COOK MR. HUDSON

M E 312—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 311. *Prerequisite:* M E 311.

MR. SUTTON

M E 313—HEAT POWER LABORATORY—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices, flue gas, and liquid fuel analysis, triplex pump, power-house piping and auxiliaries, friction test on steam engine and internal combustion engine. *Prerequisite:* Enrollment in M E 311.

MECHANICAL ENGINEERING STAFF

M E 314—HEAT POWER LABORATORY—1 cr. (0 and 3)

Practical work in connection with coal analysis, tests of lifting devices, ram, injector, centrifugal pump, calorimeters, and study of water plant. *Prerequisite:* M E 313.

MR. PERRY

M E 411—HEAT POWER—3 cr. (3 and 0)

Organization of steam, Diesel and hydro power plants with reference to the design and performance characteristics of the individual pieces of apparatus involved, variable load, costs, and economics. Buildings and foundations are briefly covered. *Prerequisite:* M E 312.

MR. FERNOW

M E 412—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 411, stressing the design, arrangement and economic justification of the boilers, prime movers, condensers, fuel handling equipment, stokers, pulverized fuel equipment, combustion, refuse handling equipment, fans, chimneys, water treatment, water heaters and deaerators, pumps, feed water regulation and the piping system design and layout. *Prerequisite:* M E 411.

MR. FERNOW

M E 413—HEAT POWER LABORATORY—2 cr. (0 and 6)

A practical application of the theory covered in M E 411. Performance tests of steam turbines, blowers, pumps, boilers, refrigeration plants, and hydraulic turbines are studied. *Prerequisite:* M E 314 and enrollment in M E 411.

MR. WATSON AND STAFF

M E 414—HEAT POWER LABORATORY—2 cr. (0 and 6)

Testing of all types of internal combustion engines, auxiliaries, and fuels. *Prerequisite:* M E 413.

MR. LEWIS AND STAFF

M E 417—DESIGN—2 cr. (1 and 3)

The solution of a variety of engineering problems under guidance to familiarize the student with the kind of work he may be called on to do after his first induction into industry. Completeness and orderly and logical work are stressed. *Prerequisite:* Enrollment in M E 411.

MR. COOK

M E 418—DESIGN—2 cr. (1 and 3)

A continuation of M E 417. *Prerequisite:* Enrollment in M E 412.

MR. HUDSON

M E 420—ADMINISTRATION—3 cr. (3 and 0)

Instruction in the principles of organizing, financing, and incorporating business enterprises; organization of the manufacturing establishment; buying and selling; contracts, accounting; management problems. *Prerequisite:* Senior standing.

MR. SAMS

M E 421—GAS ENGINES—3 cr. (3 and 0)

Theoretical and actual cycles, performance characteristics, fuels, combustion, cooling, dynamics, ignition and injection of the two and four stroke cycle spark ignition and compression ignition engine. *Prerequisite:* M E 311 and 312.

MR. LEWIS

M E 423—GAS ENGINE DESIGN—1 cr. (0 and 3)

Limits and requirements in the design of both air cooled and liquid cooled spark ignition and compression ignition engines, the principle of similitude, detail design and sketching of the engine parts and an assembly drawing of an engine. *Prerequisite:* D D 306, M E 311, 312, and enrollment in M E 421.

MR. LEWIS

M E 426—STEAM TURBINES—3 cr. (3 and 0)

Structural features, performance, and design of all types of steam turbines. *Prerequisite:* M E 312.

MR. SAMS

M E 428—TURBINE DESIGN—1 cr. (0 and 3)

Complete design of nozzle and blade elements of impulse and reaction steam turbines. *Prerequisite:* Enrollment in M E 426.

MR. SAMS

M E 429—HEATING AND VENTILATION—2 cr. (2 and 0)

A study of the principles of heating and ventilation with emphasis on the following topics: factors affecting human comfort, the theory of heat transfer and the calculation of heat transmission coefficients, heat losses from buildings, heating load, fuels and combustion, heat disseminators, heating boilers and their accessories and auxiliaries, steam heating, and hot water heating systems. *Prerequisite:* M E 305 or M E 311.

MR. HUDSON

M E 430—AIR CONDITIONING—2 cr. (2 and 0)

A study of the principles of air conditioning embodied in air distribution and air cleaning, humidification and dehumidification, warm air heating systems, cooling systems, automatic control apparatus, unit heaters, and unit air conditioners. *Prerequisite:* M E 312 or M E 306 and M E 429.

MR. WATSON

M E 431—HEATING AND VENTILATION DESIGN—1 cr. (0 and 3)

To offer practical application of the theory covered in M E 429 in the design of heating and ventilation systems for specific conditions. *Prerequisite*: Enrollment in M E 429.

MR. HUDSON

M E 432—AIR CONDITIONING DESIGN—1 cr. (0 and 3)

To provide practical application of the theory covered in M E 430 in the design of air conditioning systems. *Prerequisite*: Enrollment in M E 430.

MR. WATSON

M E 433—ELEMENTARY AERODYNAMICS—2 cr. (2 and 0)

Physical properties of air, effects of deflecting air streams, air flow, airfoils, drag, power plants, propellers, control surfaces and stability; performance at sea level and at altitude. Calculations are made for an airplane to determine its performance at sea level and at altitude, including take off and landing distance, endurance, range and load during turns. *Prerequisite*: Mech 304.

MR. SUTTON

M E 434—REFRIGERATION—2 cr. (2 and 0)

Underlying thermodynamics of refrigeration and design and operating characteristics of compression and absorption systems. Ice making and cold storage. *Prerequisite*: M E 312.

MR. FERNOW

M E 461—ANALYSIS OF THERMODYNAMIC PROBLEMS—3 cr. (3 and 0)

Engineering problems involving the use of differential and integral calculus including ordinary differential equations, partial differentiation, multiple integrals, partial differential equations, line integrals, and series. *Prerequisite*: M E 311, 312.

M E 464—HEAT TRANSMISSION—3 cr. (3 and 0)

A comprehensive study of the principles of Heat Transmission with applications to engineering problems. Special emphasis is given to the following topics: heat conduction in the steady and unsteady states; dimensional analysis of convection; free and forced convection; the combined effects of conduction and convection; heat transfer in condensing and boiling; radiation; and the combined effects of conduction, convection, and radiation. *Prerequisite*: M E 311, 312 and registration in Math 306.

MR. WATSON

MECHANICS AND HYDRAULICS

MR. CURTIS

*MR. HARLEY

MR. MOORMAN

MR. HROMI

MR. HUMPHREYS

MR. ROBINSON

*MR. McDONALD

MR. BYARS

MECH 302—MECHANICS (STATICS)—3 cr. (3 and 0)

An elementary technical study of force systems and their action on rigid bodies at rest, devoted to development of facility in free body analysis. Topics also considered are center of gravity, moment of inertia of areas, and friction. *Prerequisite:* Math 204, Phys 211.

MECHANICS AND HYDRAULICS STAFF

MECH 303—MECHANICS (KINETICS)—3 cr. (3 and 0)

A continuation of Mech 302. Analytical kinematics and the effects of forces in producing motion of rigid bodies are major considerations. Among the principal topics, whose engineering applications are developed, are: Second Law of Motion for translation and rotation; work, energy, and power; impulse and momentum. *Prerequisite:* Mech 302.

MECHANICS AND HYDRAULICS STAFF

MECH 304—MECHANICS OF MATERIALS—3 cr. (3 and 0)

To acquaint students with certain physical constants and stresses in structural members and machine parts, and to illustrate rational derivation of formulas for internal stresses. Among topics covered are: Deformation and stress; torsion; riveted joints; flexure and deformation of beams; combined stresses in short blocks; columns. *Prerequisite:* Mech 302.

MECHANICS AND HYDRAULICS STAFF

MECH 305—MECHANICS OF MATERIALS LABORATORY—1 cr. (0 and 3)

A laboratory course planned for students in certain branches designed to illustrate points and principles considered in Mech 304. *Prerequisite:* Must be accompanied, or preceded by Mech 304.

MECHANICS AND HYDRAULICS STAFF

*On leave

MECH 306—GRAPHIC STATICS—1 cr. (0 and 3)

Graphical analysis of force systems and of stresses in statically determinate frames. Given for students in certain branches. *Prerequisite:* Must be accompanied, or preceded by Mech 302.

MECHANICS AND HYDRAULICS STAFF**MECH 401—FLUID MECHANICS—3 cr. (3 and 0)**

A study of the forces on fluids at rest and in motion together with consideration of various flow measurement devices and of power developing and using units. Among the items considered are: Hydrostatic pressure and devices for measuring it; hydraulic similitude; measurements of flow by orifices, weirs, and various meters; flow in pipes; open channels; turbines and pumps. *Prerequisite:* Mech 303 (for Agricultural Engineering and Civil Engineering Majors, Mech 302).

MR. CURTIS

MR. HUMPHREYS

MR. MOORMAN

MR. ROBINSON

MECH 403—FLUID MECHANICS LABORATORY—1 cr. (0 and 3)

A laboratory course for students in certain branches to illustrate the principles of Mech 401. Also special exercises are given in stream gaging, drainage area study, runoff, and rainfall. *Prerequisite:* Must be accompanied, or preceded by Mech 401.

MECHANICS AND HYDRAULICS STAFF**MECH 460—HYDROLOGY—2 or 3 cr. (2 or 3 and 0)**

A study of the principles concerning the occurrence of water in nature and the practice of engineering in dealing with it in connection with design of water supplies and structures. *Prerequisite:* Mech 401 and 403; approval by instructor.

MR. CURTIS

MR. MOORMAN

MECH 462—WATER POWER ENGINEERING—2 or 3 cr. (2 or 3 and 0)

Principles and practices involved in the investigation and planning of hydraulic power developments and the selection of hydraulic machinery. *Prerequisite:* Mech 460, or special approval by instructor.

MR. CURTIS

MECH 464—FLOW IN OPEN CHANNELS—2 or 3 cr. (2 or 3 and 0)

Consideration of steady flow, including study of the hydraulic jump, backwater curves, bends, transitions and obstructions, and analysis of special methods of flood routing. *Prerequisite:* Mech 401 and approval of instructor.

MR. MOORMAN

MILITARY SCIENCE

COL. COOKSON

LT. COL. WHITLAW	CAPT. WILLIAMSON	SGT. 1 CL. BASSETT
MAJ. JONES	1ST LT. GARDNER	SGT. 1 CL. ELLIOTT
CAPT. BYNUM	M/SGT. BARNES	SGT. 1 CL. HESSEL
CAPT. COMBS	M/SGT. DAVIS	SGT. 1 CL. KEELING
CAPT. CRONIN	M/SGT. PRITCHARD	SGT. 1 CL. REID
CAPT. ERLINKOTTER	M/SGT. RIMMER	SGT. 1 CL. STUTTS
CAPT. KIRBY	M/SGT. SLIVKA	SGT. BROWN
CAPT. SWEARINGEN	M/SGT. TOSH	PFC. CAPPS
	M/SGT. ZORENS	

M S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in customs, discipline, and leadership to prepare and develop cadets for duties as junior noncommissioned officers. Principal topics are principles of discipline; customs of the Army; wearing of the uniform; conduct of noncommissioned officers; purpose of drill; drill of the soldier with and without arms; squad and platoon drill; parades, reviews, inspections, and other ceremonies.

STAFF

M S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 101.

STAFF

M S 103—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

This course is an introduction to military science. Generally basic in nature, the course deals with topics relating to the Army and Air Force as a whole, without attempting specialization into various branches of the services. Principal topics are military policy of the U. S., The National Defense Act and the ROTC, evolution of warfare, geographic foundations of national power and hygiene and first aid.

STAFF

M S 104—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

A continuation of M S 103. Principal topics are maps and aerial photographs, and military psychology and personnel management.

STAFF

M S 201—MILITARY DRILL—0 cr. (0 and 3)

Practical training for duty as officers in the armed services by supervised training in actual command during military drills, parades, reviews, inspections and ceremonies.

STAFF

M S 202—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 201.

STAFF

M S 203—MILITARY SCIENCE AND TACTICS (INFANTRY)—1 cr. (2 and 0)

Theoretical and practical instruction on a basic level in subjects pertinent to the infantry and designed to develop the initiative responsibility and technical knowledge required for qualification as a junior officer of the infantry arm. Principal topics are: military organization, weapons, and combat formations. *Prerequisite*: M S 103 and 104.

CAPTAIN COMBS

M S 204—MILITARY SCIENCE AND TACTICS (INFANTRY)—1 cr. (2 and 0)

A continuation of M S 203. Principal topics are: technique of fire of the rifle squad, scouting and patrolling, tactics of the rifle squad and marksmanship. *Prerequisite*: M S 203.

CAPTAIN COMBS

M S 205—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—1 cr. (2 and 0)

An introduction to Quartermaster Corps activities with theory instruction and practical application thereof. Principal topics are organization for supply in the Army, quartermaster units, classification of supplies, property accountability, and research and development trends. *Prerequisite*: M S 104.

CAPTAIN KIRBY

M S 206—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—1 cr. (2 and 0)

A continuation of M S 205. Principal topics include functions and operations of quartermaster units and unit and organizational supply. *Prerequisite*: M S 205.

CAPTAIN KIRBY

M S 207—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—1 cr. (2 and 0)

An introduction to signal communications, evolution of communications, and communications equipment, history of the Signal Corps, practices and equipment employed by lower echelons of Army units, practical exercises to include installation and operation of basic signal communications equipment.

SFC STUTTS

M S 208—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—1 cr. (2 and 0)

A continuation of M S 207. A study of the fundamentals of army organization, missions and functions of the Signal Corps, organization, missions and signal communication practices of the Infantry, armored and airborne divisions. *Prerequisite*: M S 207.

SFC STUTTS

M S 215—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—1 cr. (2 and 0)

Training in basic subjects in preparation for advanced level Armored Cavalry. Principal subjects are: armored cavalry weapons, and materials. *Prerequisite*: M S 104.

SFC KEELING

M S 216—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—1 cr. (2 and 0)

A continuation of M S 215. Principal subjects are: basic communications, basic motors, history and missions of armored cavalry, scouting and patrolling, and mechanical training with tank weapons. *Prerequisite*: M S 215.

SFC KEELING

**M S 217—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—
1 cr. (2 and 0)**

Theoretical and practical training in subjects pertaining to the tactics and techniques employed by the Corps of Engineers, including history and traditions of the corps of engineers, hand tools and rigging, explosives and demolitions, mines and booby traps, and camouflage. *Prerequisite:* M S 104.

MASTER SERGEANT BARNES

**M S 218—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—
1 cr. (2 and 0)**

A continuation of M S 217, including characteristics of weapons, organization and tactics of small units (squad and platoon level), organization of the ground and field fortifications, and defense against chemical attack. *Prerequisite:* M S 217.

MASTER SERGEANT BARNES

**M S 219—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—1 cr. (2 and 0)**

Theoretical and practical instruction in relation of the ordnance department to the army as a whole, together with instruction in tactics and technique of the ordnance department. Ordnance material topics include basic small arms, ammunition, and artillery. *Prerequisite:* M S 104.

SFC HESSEL

**M S 220—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—1 cr. (2 and 0)**

A continuation of M S 219. Ordnance materiel topics include fire control instruments and automotive. *Prerequisite:* M S 219.

SFC HESSEL

M S 301—MILITARY DRILL—0 cr. (0 and 3)

Training for duty as officers by application of principles of leadership in actual command during drills, parades, reviews, inspections, and ceremonies.

STAFF

M S 302—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 301.

STAFF

M S 303—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Advanced theoretical and practical training in subjects applicable to the army as a whole, together with tactics and techniques employed by the infantry. Principal subjects are: weapons of the infantry regiment and rifle marksmanship, organization, gunnery and communications. *Prerequisite:* M S 203 and 204.

CAPTAIN SWEARENGEN

M S 304—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of M S 303. Principal subjects are: combat intelligence, estimate of the situation and combat orders, field fortifications and tactics of the rifle company and heavy weapons platoons. *Prerequisite:* M S 303.

CAPTAIN SWEARENGEN

M S 305—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

Theoretical and practical training in subjects applicable to the army as a whole together with tactics and techniques utilized by the quartermaster corps. Principal topics include station supply, depot supply procedures and storage, warehousing and materials handling equipment. *Prerequisite:* M S 206.

CAPTAIN KIRBY

M S 306—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

A continuation of M S 305, with specific emphasis on the following topics: procurement of petroleum products, operation of commissaries, quartermaster maintenance and reclamation activities and individual weapons and marksmanship. *Prerequisite:* M S 305.

CAPTAIN KIRBY

M S 307—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on tactics and techniques utilized by the signal corps on a division level. Principal topics are communication security, signal center procedure and military radio communication fundamentals. *Prerequisite:* M S 208.

CAPTAIN WILLIAMSON

M S 308—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of M S 307. Principal topics are wire communication fundamentals, signal supply and continued training in tactics and techniques as applies to signal corps units. *Prerequisite:* M S 307.

CAPTAIN WILLIAMSON

M S 315—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole together with tactics and techniques employed by armored cavalry. Principal topics are: organization, gunnery, motors, and tank driving. *Prerequisite:* M S 216.

1ST. LT. GARDNER

M S 316—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

A continuation of M S 315. Principal topics are: troop leading, communications, tactics, and tank driving. *Prerequisite:* M S 315.

1ST. LT. GARDNER

M S 317—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects pertaining to the tactics and techniques employed by the corps of engineers, including organization of combat divisions, organization of engineer units, vehicle operation and maintenance, military roads and runways, tactics of engineer units (platoon and company levels), and engineer combat intelligence. *Prerequisite:* M S 218.

CAPTAIN ERLINKOTTER

M S 318—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)
—3 cr. (4 and 0)

A continuation of M S 317 including engineer supply, bridge design and classification, individual weapons and marksmanship, water supply, and engineer signal communications. *Prerequisite:* M S 317.

CAPTAIN ERLINKOTTER

M S 319—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

Theoretical and practical instruction on organization of the ordnance department, together with tactics and techniques of the ordnance department. Ordnance materiel topics include advanced instruction in automotive, small arms, and artillery. *Prerequisite:* M S 220.

CAPTAIN BYNUM

M S 320—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

A continuation of M S 319. Ordnance materiel topics include ammunition materiel and supply, fire control, and individual weapons and marksmanship.

CAPTAIN BYNUM

M S 401—MILITARY DRILL—0 cr. (0 and 3)

Continued training of officers by application of instruction, methods, and principles of leadership in positions of command during drills, parades, reviews, inspections, and ceremonies.

STAFF

M S 402—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 401.

STAFF

M S 403—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in command, leadership, combat principles, and development of initiative and responsibility.

ity for qualification as junior officers of the infantry arm. Principal topics are military teaching methods, command and staff, organization, communications, and supply and evacuation. *Prerequisite:* M S 304.

CAPTAIN COMBS

M S 404—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of M S 403. Principal topics are troop movement, the military team, the infantry battalion in attack and defense, and new developments of clothing, equipment and tactics. *Prerequisite:* M S 403.

CAPTAIN COMBS

M S 405—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

Theoretical and practical training in quartermaster activity on both station and unit level. Principal topics include fiscal and procurement procedures, combat and technical intelligence, and command and staff organization. *Prerequisite:* M S 306.

CAPTAIN CRONIN

M S 406—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

A continuation of M S 405 with the principal topics covered being functions of the combatant arms and technical services, quartermaster operations in the zone of the interior and the theater of operations. *Prerequisite:* M S 405.

CAPTAIN CRONIN

M S 407—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole, and the development of initiative and responsibility for qualification as junior officers of the signal corps. Principal topics are: command and staff, combat intelligence, military teaching methods, wire communication materiel. *Prerequisite:* M S 308.

CAPTAIN WILLIAMSON

M S 408—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of M S 407. Principal topics are radio communication material, higher echelon signal communication and equipment and continued training in tactics and techniques employed by the signal corps. *Prerequisite:* M S 407.

CAPTAIN WILLIAMSON

M S 415—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

Theoretical and practical instruction in command and leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the armored cavalry arm. Principal topics are: psychological warfare, military problems of the United States, military teaching methods, military mobilization and demobilization, new developments, troop leading, communications, gunnery and motors. *Prerequisite:* M S 316.

LIEUTENANT COLONEL WHITLAW

M S 416—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

A continuation of M S 415. Principal topics are: combat intelligence, supply and evacuation, tactics, tank driving. *Prerequisite:* M S 415.

LIEUTENANT COLONEL WHITLAW

M S 417—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

Theoretical and practical instruction in subjects pertaining to the army as a whole, including military administration, and military teaching methods, tactics and techniques employed by the corps of engineers including engineer support for the air force, command and staff, motor movements, engineer support for the communications zone, and engineer support for the field army. *Prerequisite:* M S 318.

CAPTAIN ERLINKOTTER

M S 418—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

A continuation of M S 417 including: construction, utilities and job management, river crossing operations, military law and boards, and psychological warfare. *Prerequisite:* M S 417.

CAPTAIN ERLINKOTTER

M S 419—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

Theoretical and practical instruction on an advanced level in subjects pertaining to the army as a whole, together with tactics and techniques of the ordnance department. Principal topics are military administration and personnel management, military teaching methods, psychological warfare, maintenance and supply procedures (ordnance), command and staff, and combat intelligence. *Prerequisite:* M S 320.

CAPTAIN BYNUM

M S 420—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)
—3 cr. (4 and 0)

A continuation of M S 419. Principal topic is ordnance materiel specialty instruction.

CAPTAIN BYNUM

MUSIC

Mr. McGarity

MUSIC 402—MUSIC APPRECIATION—3 cr. (3 and 0)

This course is a comprehensive study of the development of music and factors leading toward the understanding of better music. Records and piano renditions of representative literature of outstanding composers are offered. This course is required for all students in Education, Vocational Agricultural Education, and Industrial Education.

Mr. McGarity

PHYSICS

Mr. Huff

Mr. Lindsey	Mr. Jarrell	Mr. McCamy
Mr. C. A. Reed	Mr. Meeks	Mr. Reaves
Mr. A. R. Reed	Mr. Shackelford	Mr. Swan
*Mr. Clark	Mr. Wood	Mr. Vogel
	Mr. Kendrick	

Phys 201—GENERAL PHYSICS—3 cr. (3 and 0)

A study of mechanics and heat including the laws of motion, equilibrium, machines, mechanical and thermal properties of solids, liquids, and gases, thermometry and heat transfer. *Prerequisite:* Registration in Phys 203.

STAFF

*On leave.

PHYS 202—GENERAL PHYSICS—3 cr. (3 and 0)

A continuation of the previous course covering wave motion, sound, geometrical optics, light waves and spectra, magnetism, static and current electricity, circuits, and electrical machines. *Prerequisites:* Phys 201; registration in Phys 204.

STAFF

PHYS 203—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments testing the laws studied in Phys 201, giving experience in measuring the physical properties of matter and practice in the use of precision instruments and the treatment of observed data. *Prerequisite:* Registration in Phys 201.

STAFF

PHYS 204—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments with sound waves, lenses, refraction and diffraction of light, magnetic fields, electrical circuits, measurements with electrical instruments. *Prerequisite:* Registration in Phys 202.

STAFF

PHYS 211—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

This course covers the same topics as Phys 201 but with more emphasis on the solution of problems and applications to engineering. *Prerequisites:* Math 103 and 104; registration in Phys 213.

STAFF

PHYS 212—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

A continuation of Phys 211 covering the same topics as Phys 202 with emphasis on applications to engineering problems. *Prerequisites:* Math 103 and 104; registration in Phys 214.

STAFF

PHYS 213—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

The same topics are covered as in Phys 203 but more precise apparatus is provided and more advanced experiments are performed. *Prerequisite:* Registration in Phys 211.

STAFF

PHYS 214—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

A continuation of Phys 213 with emphasis on the accurate measurement of electrical quantities and the properties of light. *Prerequisite:* Registration in Phys 212.

STAFF

PHYS 301—INTRODUCTION TO MODERN PHYSICS—3 cr. (3 and 0)

A continuation of the General Physics course to cover the important experiments of the current century, including the measurement of the properties of electrons, and other particles, and an introduction to the theories based on these experiments. *Prerequisites:* Phys 201 and 202 or 211 and 212. Math 203 and 204.

MR. HUFF

PHYS 303—EXPERIMENTS IN MODERN PHYSICS—1 cr. (0 and 3)

Measurements of the charge and mass of the electron, studies of thermo- and photo-electric effects, measurements with radioactive materials and with X-rays. *Prerequisite:* Registration in Phys 301.

MR. HUFF MR. REAVES

PHYS 304—DESCRIPTIVE ASTRONOMY—3 cr. (3 and 0)

A survey of the properties of the planets and their satellites, their actual and apparent motions, the properties of stars and nebulae, and introduction of the determination of latitude and longitude. *Prerequisites:* Phys 201 and 202 or 211 and 212.

MR. HUFF

PHYS 308—SOUND AND ACOUSTICS—3 cr. (3 and 0)

A study of the production, propagation, properties and measurement of sound waves with emphasis on the acoustics of buildings. *Prerequisites:* Phys 201 and 202 or 211 and 212; registration in Math 201 or 203.

MR. C. A. REED

PHYS 312—HEAT AND KINETIC THEORY—4 cr. (4 and 0)

Instruction in thermometry, calorimetry, change of state, kinetic theory of gases and elements of thermodynamics with emphasis on chemical applications. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204.

MR. LINDSEY

PHYS 314—EXPERIMENTAL HEAT—1 cr. (0 and 3)

Practical instruction in the measurement of high and low temperatures, thermal properties of solids, liquids, and gases; heats of combustion, heat conduction and radiation. *Prerequisite:* Registration in Phys 312.

MR. LINDSEY MR. VOGEL

PHYS 321—MECHANICS AND PROPERTIES OF MATTER—4 cr. (4 and 0)

A study of the motions of particles and of rigid bodies, gyroscopes, elasticity, surface tension, the flow of fluids, gravitation. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204.

MR. C. A. REED

PHYS 323—EXPERIMENTAL MECHANICS—1 cr. (0 and 3)

Practice in the precise measurements of length, mass, and time; experiments with pendulums, gyroscopes, and other mechanical apparatus. *Prerequisite:* Registration in Phys 321.

MR. C. A. REED

PHYS 401—SENIOR THESIS AND SEMINAR—3 cr. (1 and 6)

This course is intended to give the student a general knowledge of current trends in physics as well as a more detailed review of the historical papers in the field. The Senior Thesis is a semi-original piece of work under the direction of the physics staff. The work in general is done in one of the following fields: X-ray, electron microscopy, ultra-violet spectroscopy, and electronics. *Prerequisite:* At least three physics courses beyond General Physics.

STAFF

PHYS 432—LIGHT—4 cr. (4 and 0)

Introduction in the formation of images by lenses and mirrors and the design of optical instruments; theory of interference and diffraction of light waves, polarization; applications to spectroscopy and precision measurement. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204.

MR. LINDSEY

PHYS 434—EXPERIMENTAL LIGHT—1 cr. (0 and 3)

Measurements of the properties of lens systems and the defects of the images produced, the effects of slits on light waves, measurements with a spectrograph, use of the interferometer, polarimetry. *Prerequisite:* Registration in Phys 332.

MR. LINDSEY

PHYS 441—MAGNETISM AND ELECTRICITY—4 cr. (4 and 0)

A study of the magnetic and electrical properties of materials, electrical circuits, properties of electromagnetic fields, electromagnetic waves. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204.

MR. JARRELL

PHYS 443—EXPERIMENTAL ELECTRICITY—1 cr. (0 and 3)

Measurements with precision electrical instruments including bridges and potentiometers; low and high frequency circuits; standing waves on wires. *Prerequisite:* Registration in Phys 441.

MR. JARRELL MR. MCCAMY

PHYS 452—ATOMIC AND NUCLEAR PHYSICS—3 cr. (3 and 0)

Elementary development in quantum theory; applications to electron arrangements in atoms, molecular beams, atomic and molecular spectra; considerations of nuclear structure, fission and atomic energies. *Prerequisites:* Phys 301, completion of two of the courses Phys 312, 321, 332, 341.

MR. JARRELL

POULTRY HUSBANDRY

MR. MORGAN

MR. COOPER

P H 301, 303—FARM AND COMMERCIAL POULTRY PRODUCTION—4 cr. (3 and 3)

A study of the nature and uses of poultry products, scope of the industry and agencies involved, classification of poultry, structure of the fowl, fundamentals of flock improvement, incubation, brooding, feeding, housing, disease control and sanitation, and the economic aspects of poultry production as a farm enterprise and a commercial business.

MR. COOPER

P H 451—POULTRY BREEDING—3 cr. (2 and 3)

A study of poultry improvement through culling and selection for meat and egg production and standard breed and variety characteristics, and the application of genetics to the problems of poultry breeding. *Prerequisites:* P H 301, 303 and Dairy 301 or Agron 302.

MR. MORGAN

P H 452—POULTRY FEEDING AND FLOCK MANAGEMENT—3 cr. (2 and 3)

A study of the nutritive requirements of poultry, dietary deficiencies and curative factors, the compounding of rations for growing, laying and breeding flocks of chickens and turkeys, the value of various feedstuffs and management practices with chickens and turkeys for maximum economic returns. *Prerequisites:* A H 301, P H 301 and 303.

MR. MORGAN

P H 455—POULTRY GRADING AND PROCESSING—3 cr. (2 and 3)

A study of the classes, grades and judging of market poultry and poultry products, and the preparation, packaging, processing, storage and freezing preservation of eggs and poultry for market. *Prerequisites:* P H 301 and 303.

MR. COOPER

P H 456—INCUBATION AND BROODING—3 cr. (2 and 3)

A study of the principles and practices of incubation and brooding of the various species of poultry, hatchery management and commercial broiler production. *Prerequisites:* P H 301 and 303.

MR. COOPER

P H 459—POULTRY DISEASES AND PARASITES—3 cr. (2 and 3)

A study of the causes, occurrence, symptoms, treatment and prevention of poultry diseases and the identification, life history, symptoms, treatment and prevention of poultry parasites. Sanitary practices on poultry farms and in hatcheries and market establishments, and eradication and control measures for specific diseases and parasites will be considered. *Prerequisites:* P H 301, 303, Bact 301, 303 and V S 401.

MR. MORGAN

P H 460—SEMINAR—2 cr. (2 and 0)

A study and discussion of current research and commercial problems in poultry production and marketing and selected special topics not fully covered in subject matter courses. *Prerequisites:* P H 301, 303 and pursuing major study in Poultry Husbandry.

MR. MORGAN AND POULTRY STAFF

PSYCHOLOGY

MR. WAITE

PSYCH 301—GENERAL PSYCHOLOGY—3 cr. (3 and 0)

A survey of the field of psychology: development and adjustment, motivation, emotions, intelligence, personality, the sensory experiences, perception, learning, thinking, imagination, and mental hygiene. *Prerequisite:* Junior standing.

MR. WAITE

PSYCH 302—SOCIAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the interaction between the individual and the forces of society: the classical theories, the psychobiological bases of human behavior, the sociocultural bases of behavior, types of human behavior, overt and covert experiences, symbolism, personality, and social interaction. *Prerequisite:* Psych 301.

MR. WAITE

PSYCH 401—APPLIED PSYCHOLOGY—3 cr. (3 and 0)

An advanced course based upon the concepts of general psychology. The material includes causation in behavior, the psychology of attitudes, morale, the basic principles of motivation and work, individual differences, psychological testing in industry, interview techniques, motion and time analysis, industrial fatigue, psychological fatigue and related phenomena, accidents and their prevention, the working environment, psychological factors in labor turnover, advertising and consumer psychology and psychology in professional life. *Prerequisite:* Psych 301.

MR. WAITE

RELIGION

MR. CROUCH

MR. GRIBBIN

REL 201—OLD TESTAMENT—3 cr. (3 and 0)

An outline study of the Old Testament with special emphasis on the prophets.

REL 203—LIFE OF CHRIST—3 cr. (3 and 0)

A study of the life of Christ beginning with a brief historical background of the world into which Christ came. The purpose of this course is to give a complete chronological picture of the life of Christ.

REL 305—NEW TESTAMENT OUTLINE—3 cr. (3 and 0)

A study of the background and beginnings of the Christian Movement.

MR. CROUCH

REL 401—INTRODUCTION TO PHILOSOPHY—3 cr. (3 and 0)

A historical survey of philosophy with emphasis on its connection with political and social circumstances from the earliest times to the present day. Particular attention will be given to those subjects which have always been the concern of both philosophy and religion. *Prerequisite:* Senior standing.

MR. GRIBBIN

RURAL SOCIOLOGY

MR. BOYD

R S 301—RURAL SOCIOLOGY—3 cr. (3 and 0)

A study of human social relationships as modified by life in the country including a consideration of the farm family, its housing, health, schooling, recreational opportunities, relation to land, and other similar topics.

MR. BOYD

R S 454—FARMERS' MOVEMENTS—3 cr. (3 and 0)

An examination of the efforts of farmers to organize for the improvement of agriculture. Beginning with the first local agricultural society, the development of this movement is followed through the period of the Civil War. The Grange, Farmers' Alliance, and like movements, are then studied in their chronological order of development.

MR. BOYD

R S 459—THE RURAL COMMUNITY—3 cr. (3 and 0)

A study of the growth and development of the rural community with emphasis on organization of the community for its effective functioning in a changing society.

MR. BOYD

R S 461—RURAL LEADERSHIP—3 cr. (3 and 0)

A study of the social and psychological factors involved in rural leadership including an examination and analysis of characteristics of the successful leader, and the role of the leader in the rural community.

MR. BOYD

SOCIOLOGY

MR. BURTNER

MR. WAITE

SOC 301—INTRODUCTORY SOCIOLOGY—3 cr. (3 and 0)

A study of the basic principles of sociology: culture, biological factors, the influence of geographical environment, human nature, group life, crowds, publics, social classes, cooperation, competition, conflict, accommodation, assimilation, human ecology, communities, social institutions, and social change. *Prerequisite:* Junior standing.

STAFF

SOC 401—SOCIAL PROBLEMS—3 cr. (3 and 0)

A survey of the major social problems: Their background, group conflict, race conflict, war, the nature of population problems, social problems of industry, education, religion, disease and public health, poverty, dependency, and factors affecting social adjustment. *Prerequisite:* Soc 301.

MR. BURTNER

SOC 402—THE FAMILY—3 cr. (3 and 0)

An inquiry into the problems of marriage and family life: the history of the family, the sociology of family life, mate selection, and courtship, husband-wife relationships, parents-child interaction, divorce, and conservation of family values. *Prerequisite:* Senior standing.

MR. WAITE

Soc 403—CRIMINOLOGY—3 cr. (3 and 0)

A consideration of the major problems of crime and its treatment: causes of crime, criminal behavior, theories and practices in the treatment of criminals, and prevention of crime. *Prerequisite*: Soc 301.

MR. WATTE

Soc 405—INDUSTRIAL SOCIOLOGY—3 cr. (3 and 0)

A study of industry as a social organization together with the scientific examination of personality industrial relations; the factory as a social system; problems of management; problems of labor; problems of special groups in industry; labor-management relations; and industry and the community. *Prerequisite*: 3 cr. of sociology and permission of the instructor.

MR. BURTNER

Soc 406—REGIONAL SOCIOLOGY—3 cr. (3 and 0)

An analysis and survey of American regions. Emphasis is placed upon facts, factors, and policies pertaining to geography, population, culture, resources and waste, social institutions and planning methods of investigating regions in terms of social science. *Prerequisite*: 3 cr. of sociology.

MR. BURTNER

SPANISH

MR. DEAN

MR. HARDEE

SPAN 101—ELEMENTARY SPANISH—3 cr. (3 and 0)

A course for beginners in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. HARDEE

SPAN 102—ELEMENTARY SPANISH—3 cr. (3 and 0)

A continuation of Span 101, in which a reader is also used.

MR. HARDEE

SPAN 201—INTERMEDIATE SPANISH—3 cr. (3 and 0)

A short review of grammar with conversation, composition, and dictation continued from Span 102 and the beginning of more serious reading of Spanish prose in short stories or novels.

MR. HARDEE

SPAN 202—INTERMEDIATE SPANISH—3 cr. (3 and 0)

While attention is paid to writing and speaking Spanish, more stress is laid on the rapid reading of more difficult Spanish prose than in the earlier courses.

MR. DEAN

SPAN 301—ADVANCED SPANISH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific Spanish prose.

MR. HARDEE

SPAN 302—ADVANCED SPANISH—3 cr. (3 and 0)

A continuation of Span 301, with selections being made to suit the needs of the students.

MR. DEAN

TEXTILE CHEMISTRY AND DYEING

MR. LINDSAY

MR. LANGSTON

MR. GUION

MR. RAINEY

T C 301—TEXTILE CHEMISTRY—2 cr. (2 and 0)

An introductory course for Textile Manufacturing students covering chiefly the structure and behavior of the less complex organic chemicals employed in the textile industry up to and including the simpler carbohydrates. *Prerequisite:* Chem 102.

MR. GUION

T C 302—TEXTILE CHEMISTRY—2 cr. (2 and 0)

A continuation of T C 301 and 303 covering more complex compounds; starches, cellulose, proteins, dyestuffs, and synthetic fibers and resins. Much of the laboratory work is devoted to the analysis of such materials as sizes, finishes and fabrics composed of various fiber mixtures. *Prerequisite:* Chem 102.

STAFF

T C 303—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 301.

MR. GUION

T C 304—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 302.

STAFF

T C 305—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A comprehensive course for Textile Chemistry majors covering aliphatic organic compounds with major emphasis on products essential to the textile industry. *Prerequisite:* Chem 104.

MR. RAINEY

T C 306—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A continuation of T C 305 and 307 covering the aromatic compounds with particular attention to the chemistry of dyes and dye intermediates. *Prerequisite:* Chem 104.

MR. RAINEY

T C 307—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 305.

MR. RAINEY

T C 308—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 306.

MR. RAINEY

T C 401—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A general study of the theory and practice involved in the chemical preparation of all types of fibers for textile use from the raw state through to the finished fabric. Such processes as scouring, bleaching, mercerizing, and the less complex dyeing procedures are covered. *Prerequisites:* T C 302 and 304.

MR. LINDSAY MR. LANGSTON

T C 402—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A continuation of T C 402 and 404 covering the more advanced dyeing procedures with general coverage of textile printing as well as the many processes involved in textile finishing such as shrink-proofing, flame-proofing, crease resistance, and water repellancy. *Prerequisites:* T C 302 and 304.

MR. LINDSAY

T C 403—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 401.

MR. LINDSAY

T C 404—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 402.

MR. LINDSAY

T C 410—COLOR MATCHING AND TESTING—1 cr. (0 and 3)

The principles of color matching and mixing with practice in reproducing shades to standard, and testing color fastness of textiles by approved methods.

MR. LINDSAY

T C 442—THESIS—2 cr. (0 and 6)

An investigation by each Textile Chemistry senior of an assigned problem related to textile processing. A formal written report is required from each student. *Prerequisite:* Senior standing.

MR. LINDSAY

T C 447—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A course for Textile Chemistry majors similar to T C 401 and 403 except that it is more comprehensive with emphasis on the problems involved in the supervision of a textile finishing plant. *Prerequisite:* T C 306 and 308.

MR. LINDSAY

T C 449—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 447.

MR. LINDSAY

T C 452—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A continuation of T C 447 and 449. *Prerequisites:* T C 306 and 308.

MR. LINDSAY

T C 454—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 452.

MR. LINDSAY

T C 455—CELLULOSE CHEMISTRY—3 cr. (3 and 0)

An introductory course covering the constitution and behavior of cellulose and its derivatives. Particular attention is given to the purification of wood and other raw materials used for the preparation of rayon pulps. *Prerequisites:* T C 306 and 308.

MR. LANGSTON

T C 456—CHEMISTRY OF SYNTHETIC FIBERS AND FINISHES—2 cr. (2 and 0)

A study of the chemistry of large molecular substances such as nylon, vinyon, the rayons, and the protein-type synthetics. The varied synthetic resins used for special effects on textiles are covered in detail. *Prerequisites:* T C 306 and 308

MR. LANGSTON

TEXTILE MANAGEMENT

MR. BROWN

MR. HEYN	MR. EDWARDS	MR. WRAY
MR. CAMPBELL	MR. GRAHAM	MR. GAMBRELL
*MR. CARSON	MR. RICHARDSON	MR. JONES

T M 101—INTRODUCTION TO TEXTILES—3 cr. (2 and 3)

An introduction to textile manufacturing. Elementary studies of staple fibers, and machinery involved in converting them into yarns and fabrics.

MR. GAMBRELL

*On leave

T M 401—TEXTILE COSTING—5 cr. (3 and 6)

A study in the principles of costing as they apply to the manufacture of textiles. Allocating the cost of material, labor and overhead; determining the costs of individual yarns and fabrics; valuing the inventory; making of cost reports and payroll analysis. *Prerequisite:* Seniors majoring in Textiles.

MR. CAMPBELL

T M 403—TEXTILE MANAGEMENT—3 cr. (3 and 0)

The mill and its equipment; control of labor costs; selection of materials; production controls and the use of budgets.

MR. WRAY

T M 454—TIME STUDY—3 cr. (2 and 3)

Rating method; job analysis; establishing wage scales; group-piece and premium plans.

MR. CARSON

MR. RICHARDSON

T M 460—NATURAL FIBERS—3 cr. (3 and 0)

Fundamental properties of textile fibers as studied from the chemical, physical, and botanical side. The microscopic and molecular structure development in the plant, and extraction and preparation from the plant. Survey of plant fibers and fiber plants and more complete discussion of the main natural (plant and animal) fibers. Methods of fiber research. *Prerequisite:* Senior standing.

MR. HEYN

T M 462—TEXTILE MICROSCOPY—2 cr. (1 and 3)

This course is especially planned to enable the student to utilize the microscope for examination and identification of textile fibers and materials used in the textile and related industries. *Principal Topics:* The preparation of the various materials used in the textile industry for microscopic examination.

MR. HEYN

MR. EDWARDS

T M 464—PHYSICAL TEXTILE TESTING—2 cr. (1 and 3)

This course gives the student a comprehensive understanding of all the important machines and techniques used in physical testing of fibers, yarns, and fabrics. The applications of testing in modern textile research are stressed. *Prerequisite:* Senior standing.

MR. BROWN

MR. EDWARDS

MR. GAMBRELL

VETERINARY SCIENCE

MR. FEELEY

V S 401—ANATOMY AND PHYSIOLOGY—3 cr. (2 and 3)

The purpose of the course is to give agricultural students a general knowledge of anatomy and physiology of farm animals. Principal topics studied include physiology of digestion, chemical and physical processes of digestion and absorption, common diseases, farm sanitation, and first aid treatment.

MR. FEELEY

V S 402—DISEASES OF ANIMALS—3 cr. (2 and 3)

A course designed to give agricultural students instruction in the recognition, causes, and treatment of the diseases of farm animals. The principles of etiology, pathology, diagnosis, symptoms, and treatment of infectious and noninfectious diseases are considered at length.

MR. FEELEY

WEAVING AND DESIGNING

MR. McKENNA

MR. CARTEE

*MR. HANCE

MR. CARSON

MR. TARRANT

MR. HUBBARD

MR. JAMESON

MR. WALTERS

*MR. LaRoche

MR. WHITTEN

MR. WILLIAMS

MR. ALLEN

MR. WILLIS

W D 201—FABRIC DESIGN—3 cr. (2 and 3)

A study of the basic weaves for cloth fabrication. Plain, twill, sateen weaves, and their derivatives; drawing-in drafts, reed plan, chain drafts, shedding cam design, and analysis of fabrics to obtain weave.

MR. WILLIS

W D 202—FABRIC DESIGN—2 cr. (1 and 3)

A study of the more complex and intricate weaves for fabrics. Extra warp and filling for weight and figure, filling reversible, double cloth, double plain and matelasse, Bedford Cord and pique, velveteen and corduroy, and Turkish towel. *Prerequisite:* W D 201.

MR. CARSON

*On leave

W D 205—CAM LOOM MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustments of the cam loom. Analytical study of the loom, adjustment and timing of the shedding motion, adjustment and timing of the picking motion, the beating-up motion, let-off and take-up motions, gearing, speeds, production.

MR. WHITTEN

W D 206—CAM LOOM MECHANISMS—2 cr. (1 and 3)

A further study of the cam loom mechanisms to include the automatic filling transfer, filling feelers, filling cutters, filling stop motion, warp stop motions, extra attachments such as tape selvage motions, auxiliary cams for twill and sateen weaves, and the various over-head attachments for shedding motions of more than two harnesses, loom calculations. *Prerequisite:* W D 205.

MR. WILLIAMS

W D 301—FABRIC STRUCTURE AND DESIGN—2 cr. (1 and 3)

A study of the plans, drafts, and specifications required for the production of plain, leno, and figured fabrics. Leno mechanisms and design; warp and filling layouts; weave combinations; fabric construction; ratio of intersections; harness, reed, and chain plans; warping and slashing plans. *Prerequisite:* W D 201.

MR. HUBBARD MR. JAMESON

W D 302—FABRIC ANALYSIS—2 cr. (1 and 3)

A study of the analysis of fabrics as they come to the mill for reproduction. Methods of determining yards per pound from a small sample and from the yarn counts; overall and ground construction; selection of yarn counts; determining the design, drawing-in-draft, chain draft, and reed plan; warp dressing plan; cotton, wool, silk, and rayon fabrics. *Prerequisites:* W D 201, 202.

MR. CARTEE

W D 305—DOBBY AND BOX MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustment of dobby and box mechanisms. Setting and timing of the cylinder, knives, dobby crank, and shed; study of the box mechanisms and the use of

two or more filling yarns in the weaving of fancy fabrics; setting, aligning, and timing of the box motion, and the building of pattern chains. *Prerequisites:* W D 205, 206.

MR. CARTEE MR. TARRANT

W D 306—JACQUARD MECHANISM—2 cr. (1 and 3)

A study of the theory and mechanisms of the jacquard machine and its complementary equipment. Types of jacquard machines and principles of operation; methods of harness building; card cutting and lacing machines. *Prerequisites:* W D 201, 205.

MR. HUBBARD MR. JAMESON

W D 309—KNITTING—1 cr. (0 and 3)

A study of the principles of knitted fabric construction and hosiery production. Knitting mechanisms, construction of knitted fabrics, and hosiery, rib knitting, hosiery machinery, fancy knitting, and knitting calculations.

MR. ALLEN

W D 310—ADVANCED HOSIERY KNITTING—3 cr. (2 and 3)

A course of study of advanced types of circular hosiery machines and of the modern type of ribbers involved in the manufacture of the more complex types of hosiery. Included will be a study of mill problems and a study of yarns used in the knitting of hosiery. *Prerequisite:* W D 309.

MR. ALLEN

W D 311—FLAT KNITTING MECHANISM—2 cr. (1 and 3)

Elements of flat knitting for those majoring in knitting. The course deals with principles used mainly in tricot warp knitters and the so-called knitting looms. Also included are studies of suitable yarns and preparation of knitting warps.

MR. ALLEN

W D 312—KNITTED DESIGN AND ANALYSIS—2 cr. (1 and 3)

A study of the pattern mechanisms of hosiery machines and of the pattern mechanisms of the more complicated ribbers. A study of design for these machines from the designer's standpoint and from the practical stand-

point. Analysis of knit fabrics will be included along with costing procedures of a knitting mill engaged in half hose manufacture. *Prerequisite:* W D 309.

MR. ALLEN

W D 401—WARP PREPARATION—2 cr. (1 and 3)

A study of warping and slashing mechanisms and the plans and requirements for efficient operation. Types of warping equipment; slashing machinery; size mixtures and processing methods for cotton, rayon, and other fibers. *Prerequisite:* W D 301.

MR. McKENNA

W D 402—FABRIC DEVELOPMENT—2 cr. (1 and 3)

Production of woven patterns as studied in fundamental courses in the Weaving and Designing Department. Fabric development, analysis, and cloth order problems. *Prerequisites:* W D 301, 302, 305.

MR. WALTERS

W D 410—CIRCULAR BODY KNITTING—2 cr. (1 and 3)

A study of the machines used in the underwear and outerwear trade along with the design and analysis of these fabrics. A study of the market and of the knitting trade.

MR. ALLEN

W D 411—FULL FASHIONED KNITTING—2 cr. (1 and 3)

A study of the mechanics of full fashioned knitting equipment, full fashioned mills and of the trade, and a study of yarn preparation, inspection, finishing, packaging, costing, quality control, and design and analysis.

MR. ALLEN

W D 412—KNITTED GARMENT MANUFACTURE—2 cr. (1 and 3)

Actual experience in the manufacture of various knitted garments along with a study of the cutting trade. A study of fabricating machines. Finishing of knitted cloth.

MR. ALLEN

YARN MANUFACTURING

MR. GAGE

MR. BLAIR
*MR. HENDRICKSMR. LATHEM
MR. THOMSON
MR. WILSONMR. MARVIN
MR. WYLIE

Y M 201—BLENDING AND CLEANING—3 cr. (2 and 3)

A study of the mechanical equipment used to open, blend and clean the raw materials and to prepare cotton and other staple fibers for succeeding yarn manufacturing processes. Blending of staple fibers; calculations for drafts, measuring devices, waste, evener motions and production.

MR. THOMSON MR. WYLIE

Y M 202—CARDING—3 cr. (2 and 3)

A study of the theory and operation of the card as it is used in the processing of staple fibers and the doubling and drafting of sliver on the drawing frame. Card construction, settings, clothing, ratio of speeds and draft, production and waste studies on the card. Drawing frame construction, drafts and doubling.

MR. MARVIN MR. WILSON

Y M 301—ROVING FRAMES—3 cr. (2 and 3)

The construction and operation of fly frames. Drafting, twisting and winding on slubbers, intermediates, and Jack frames; production, rolls, spindles, and flyers, differential motions and cones, twist per inch, all calculations for these topics.

MR. THOMSON MR. WILSON

Y M 302—SPINNING—3 cr. (2 and 3)

A study of the manufacturing possibilities of the ring spinning frame and ring twister as they are used in the processing of staple fibers. The theory of the spindle, ring and traveler, drafts, twist, builder motions, production, general machine construction, and problems applicable to machines.

MR. LATHEM MR. THOMSON

*On leave

Y M 305—COTTON MARKETING—1 cr. (0 and 3)

Cotton classing according to U. S. Government Standards for grades and staples. Classing and valuing all grades of cotton raised in U. S.; methods of ginning, marketing, and handling cotton; contracts and claims.

MR. GAGE

Y M 306—COMBING—2 cr. (1 and 3)

A study of settings and adjustment of the comber and its preparatory machines; the value and use of its product. Timing and setting comber for various staples and required waste, production and other calculations; management; and operation of these machines.

MR. BLAIR

ZOOLOGY

MISS MCDANIEL

MR. WARE

*MR. WARNHOFF

ZOO 101, 103—GENERAL ZOOLOGY—4 cr. (3 and 3)

Designed to give the student thorough training in fundamental types and zoological principles. The morphology, physiology, behavior, reproduction, ecology, embryology, zoogeography, evolution and palaeontology of each phylum is presented.

MISS MCDANIEL

MR. WARE

ZOO 301—ADVANCED ZOOLOGY—3 cr. (2 and 3)

Designed to give the student advanced training in zoological principles, physiology and comparative vertebrate anatomy. *Prerequisites:* Zool 101 and 103.

MR. WARE

ZOO 302—VERTEBRATE EMBRYOLOGY—3 cr. (2 and 3)

Designed to give the student the fundamentals of developmental anatomy of the organ systems as illustrated by the chick and pig. By actual preparation of histological sections and mounts the student acquires

*On leave

practice in laboratory procedure and a working knowledge of vertebrate microscopic anatomy. Identification of the various tissues is stressed. *Prerequisites:* Zool 101, 103 and 301.

MR. WARE

ZOOL 306—GAME MANAGEMENT—2 cr. (2 and 0)

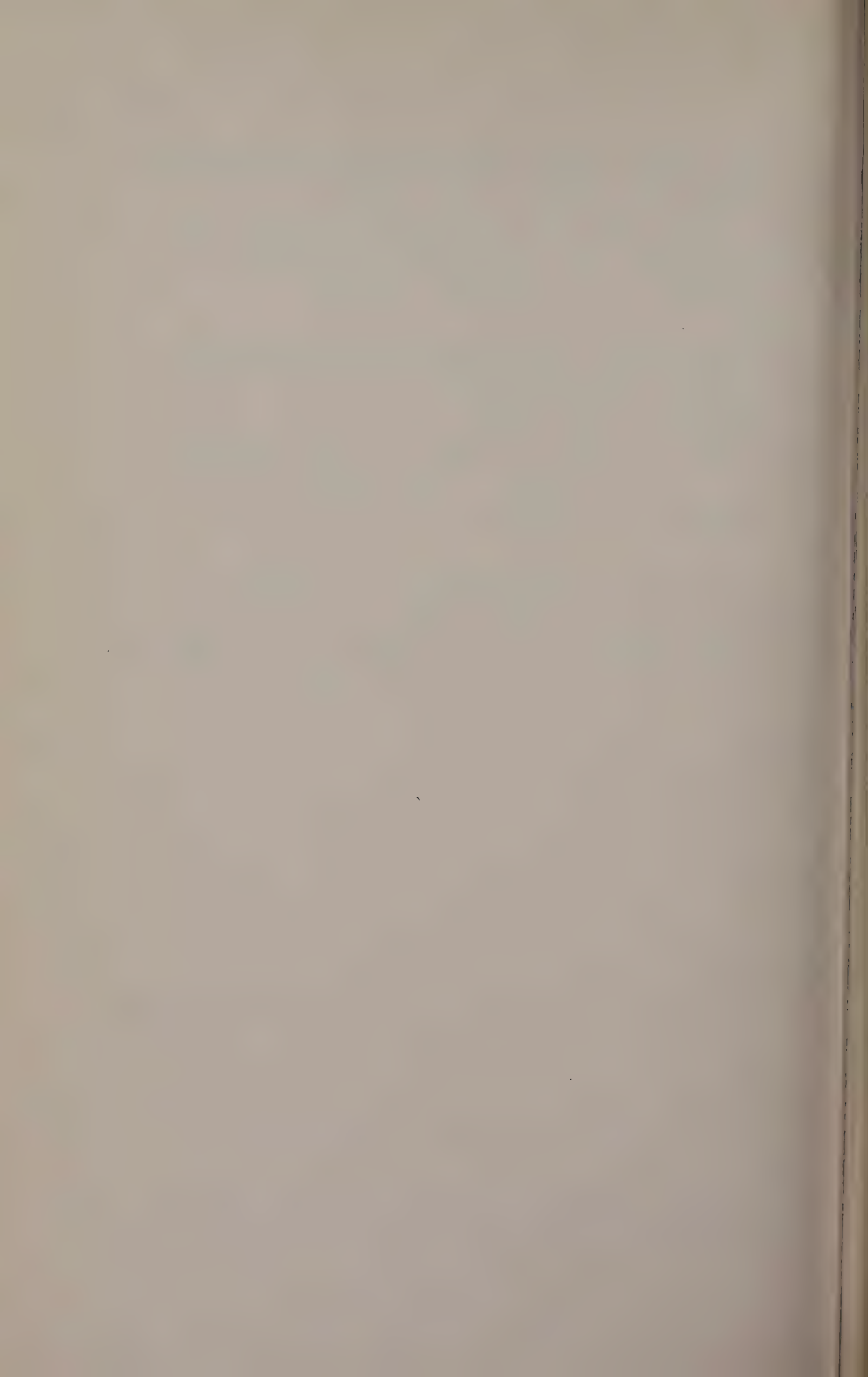
A study of breeding habits of game animals and birds and type of territory desirable. The ethics of sportsmanship, and the control of predators are among other subjects covered.

MR. WARE

ZOOL 402—ANIMAL PHYSIOLOGY—3 cr. (2 and 3)

A basic study of the physiological processes of ingestion, secretion, excretion, respiration, circulation, reproduction and metabolism of warm blooded animals. This is the only basic physiology course offered at Clemson College and is designed to be of value to students majoring in Pre-Medicine, Pre-Veterinary, Animal Husbandry, Dairy and Poultry. *Prerequisite:* Zool 101, 103.

MR. FARRAR



**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART VI

**Public Service
Activities**

* AGRICULTURAL EXPERIMENT STATION STAFF

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*F. O. Black, M. A.	Agricultural Statistician
V. A. Boyd, M. S.	Assistant Rural Sociologist
*C. P. Butler, M. S.	Agricultural Economist
F. L. Cox, B. S.	Assistant Agricultural Economist
D. E. Crawford, M. S.	Assistant Agricultural Economist
C. L. Crenshaw, M. S.	Assistant Agricultural Economist
C. D. Evans, B. S.	Assistant Agricultural Economist
W. T. Ferrier, Ph.D.	Agricultural Economist
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C. R. Smith, Ph.D.	Associate Agricultural Economist
J. M. Stepp, Ph.D.	Agricultural Economist
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*J. S. Taylor, B. S.	Associate Agricultural Statistician
B. J. Todd, M. S.	Assistant Agricultural Economist

Agricultural Engineering

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G. H. Dunkelberg, M. S.	Associate Agricultural Engineer
J. S. Evans, B. S.	Assistant Agricultural Engineer
W. P. Law, B. S.	Associate Agricultural Engineer
*J. K. Park, M. S.	Agricultural Engineer
N. E. Shuler, B. S.	Assistant Agricultural Engineer

*In cooperation with the United States Department of Agriculture.

*°On leave.

Agronomy

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*O. W. Beale, M. S.	Soil Scientist
**E. B. Eskew, B. S.	Assistant Agronomist
R. H. Garrison, B. S.	Associate Plant Breeder
R. H. Hawkins, M. S.	Associate Agronomist
D. H. Horton, M. S.	Assistant Agronomist
W. R. Paden, Ph.D.	Agronomist
N. R. Page, M. S.	Associate Agronomist
*A. B. Prince, Ph.D.	Associate Agronomist
*E. H. Stewart, M. S.	Soil Scientist
H. W. Webb, B. S.	Assistant Agronomist

Animal Husbandry

L. V. Starkey, M. S.	Head of Department
G. W. Anderson, D.V.M., M. S.	Associate Animal Pathologist
C. A. Dodson, B. S.	Assistant Animal Pathologist
E. G. Godbey, B. S.	Associate Animal Husbandman

Botany and Bacteriology

G. M. Armstrong, Ph.D.	Head of Department
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*Joanne K. Armstrong, Ph.D.	Agent
C. H. Arndt, Ph.D.	Plant Pathologist
C. C. Bennett, B. S.	Assistant Botanist
H. H. Foster, Ph.D.	Associate Plant Pathologist
N. B. Goebel, M. S.	Associate Forester
*D. H. Petersen, M. S.	Agent (Pathologist)

Chemistry

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E. J. Lease, Ph.D.	Nutritionist
D. B. Roderick, B. A.	Assistant Chemist

Dairy

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C. C. Brannon, B. S.	Associate Dairyman
*G. W. Brandt, M. S.	Associate Dairy Husbandman
W. M. DuPre, B. S.	Assistant in Dairying
Victor Hurst, Ph.D.	Associate in Dairying
W. A. King, Ph.D.	Dairy Husbandman
D. C. Price, B. S.	Assistant in Dairying
C. H. Strickland, B. S.	Assistant in Dairying

Entomology

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J. H. Cochran, Ph.D.	Associate Entomologist
David Dunavan, M. S.	Associate Entomologist
W. H. Purser, M. S.	Assistant Bee Specialist

Farms

C. S. Patrick, B. S.	Head of Department
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*In cooperation with the United States Department of Agriculture.

**On leave.

Home Economics

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Mary Frances Kendall, B. A. -----	Assistant in Home Economics
Florence E. Roach, B. A. -----	Assistant in Home Economics
Elizabeth S. Watson, M. A. -----	Assistant Home Economist

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O. B. Garrison, Ph.D. -----	Horticulturist
R. J. Higdon, B. S. -----	Assistant Horticulturist
J. A. Martin, B. S. -----	Associate Horticulturist
H. J. Sefick, M. S. -----	Associate Horticulturist
L. O. Van Blaricon, M. S. -----	Associate in Food Technology

Poultry

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M. A. Boone, M. S. -----	Associate Poultry Husbandman
*C. P. Willimon, B. S. -----	Assistant in Poultry Husbandry

Publications

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Doris A. Timmerman, B. A. -----	Assistant Editor

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V. K. Quattlebaum, B. S. -----	Assistant Agricultural Engineer
J. G. Watts, M. S. -----	Entomologist
J. J. Wolfe, B. S. -----	Assistant Agronomist

*In cooperation with the United States Department of Agriculture.

**On leave.

*Pee Dee Station**Florence, S. C.*

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J. S. Barker, Ph.D.	Associate Entomologist
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Luther Cox, B. S.	Assistant Agricultural Engineer
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*Z. T. Ford, B. S.	Agent
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*D. C. Harrell, B. S.	Agent
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*W. E. Vaught	Agent
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*W. D. Yeargin	Agent

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*W. A. Balk, B. S.	Assistant Agricultural Engineer

*Truck Station**Post Office Box 158, St. Andrews Branch**Charleston, S. C.*

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W. M. Epps, Ph.D.	Associate Plant Pathologist
*W. J. Reid, Jr., B. S.	Entomologist
W. T. Scudder, M. S.	Associate Horticulturist

Crop Pest Commission and Seed Certification

M. D. Farrar, Ph.D.	Entomologist
G. M. Armstrong, Ph.D.	State Pathologist
G. M. Anderson, B. S.	Assistant State Pathologist
J. A. Berly, B. S.	Entomologist
R. H. Garrison, B. S.	Associate Plant Breeder, in charge Seed Certification
J. W. Gillespie, B. S.	Assistant Chemist
D. H. Horton, M. S.	Assistant Agronomist
W. H. Purser, M. S.	Assistant Bee Specialist
J. K. Reed, M. S.	Associate Entomologist

*In cooperation with the United States Department of Agriculture.

Fertilizer Inspection and Analysis

B. D. Cloaninger, M. S.	Head of Department
J. T. Foy, B. S.	Chemist
B. H. Gerritsen, B. S.	Assistant Chemist
E. E. Leslie, B. S.	Assistant Chemist
H. J. Webb, Ph.D.	Chief Chemist and Toxicologist

LIVESTOCK SANITARY WORK STAFF**COLUMBIA, SOUTH CAROLINA***State Veterinarian and Director*

MAYS, R. A., B.Sc., D.V.M.	Columbia
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Assistant State Veterinarians

*BELL, D. B., JR., D.V.M.	Walterboro
BIERER, BERT W., V.M.D.	West Columbia
CHASTAIN, W. R., D.V.M.	Columbia
COOPER, I. R., SR., D.V.M.	Allendale
FISHER, E. T., D.V.M.	Columbia
HOOD, H. B., V.M.D.	Kingstree
PETERSON, F. K., D.V.M.	Columbia
SCOTT, JACK, D.V.M.	Georgetown
WITHERSPOON, S. C., B.Sc., D.V.M.	Marion

Deputy State Veterinarians

Ayers, N. J., D.V.M.	Greer
Ballenger, O. E., D.V.M.	Easley
Barnette, W. A., B.Sc., D.V.M.	Greenwood
Batson, Neal C., D.V.M.	Sumter
Beasley, W. R., D.V.M.	Batesburg
Beaty, R. W., Jr., D.V.M.	Sumter
Blackstock, M. R., D.V.S.	Spartanburg
Brennan, B. F., V.M.D.	Aiken
Brown, Thomas E., D.V.M.	Spartanburg
Burch, J. E., D.V.M.	Lake City
Burriss, Theo. L., D.V.M.	Anderson
Burriss, William Mack, D.V.M.	Anderson
Caughman, F. P., Sr., B.S., V.M.D.	Columbia
Caughman, F. P., Jr., D.V.M.	Columbia
Cofer, G. W., D.V.M.	Columbia
Culpepper, M. D., D.V.M.	Chester
Dickson, J. T., D.V.M.	Rock Hill
Ducey, Fred E., Jr., D.V.M.	Ridgeland
Dunn, Will T., D.V.M.	Greenville
Dyches, H. P., D.V.M.	Aiken
Elder, H. W., D.V.M.	Manning
Frieze, H. L., D.V.M.	Gaffney

*Military leave.

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Gibson, J. G., D.V.M.	Florence
Gilmore, W. H., D.V.M.	Columbia
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Harmon, C. C., B.Sc., D.V.M.	Columbia
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Hubster, E. B., D.V.M.	Walterboro
Jacobs, T. B., D.V.M.	Newberry
Jameson, Claude V., D.V.M.	Anderson
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Kellett, S. J., Jr., D.V.M.	Seneca
Kinard, H. B., Jr., D.V.M.	Greenwood
Kinard, Harold W., D.V.M.	Bamberg
Kitchen, Don O., D.V.M.	Greenville
Kitchen, F. E., D.V.M.	Greenville
Kitchen, G. R., D.V.M.	Bishopville
Lanham, T. E., D.V.M.	Edgefield
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Lowman, Cecil, D.V.M.	Newberry
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Matthews, Watson H., D.V.M.	Rock Hill
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Moore, G. E. H., D.V.M.	Walterboro
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Smith, G. M., D.V.M.	Greenville
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Smith, J. R., D.V.M.	Marion
Smith, J. S., D.V.M.	Conway
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Sutherland, H. L., D.V.M.	Union
Talley, B. C., B.Sc., D.V.M.	Bennettsville
VandeGrift, E. R., Jr., D.V.M.	Columbia
Whatley, U. E., D.V.M.	Dillon
Williams, J. M., D.V.M.	Moncks Corner
Willis, R. L., D.V.M.	Charleston

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T. W. MORGAN, B.S., M.S.	Assistant Director
G. H. BONNETTE, B.S.	Chief Clerk and Accountant

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*List of staff members compiled October 1, 1950.

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Fairfield		Winnsboro
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Greenville	W. R. Gray, B.S.	Greenville
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Laurens	C. B. Cannon, B.S.	Laurens
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Lexington	S. E. Evans, B.S., M.S.	Lexington
McCormick	G. W. Bonnette, B.S.	McCormick
Marion	J. C. King, B.S.	Marion
Marlboro	Colin McLaurin, B.S.	Bennettsville
Newberry	P. B. Ezell, B.S.	Newberry
Oconee	G. H. Griffin, B.S.	Walhalla
Orangeburg	J. C. McComb, B.S.	Orangeburg
Pickens	J. R. Wood, B.S.	Pickens
Richland	R. W. Bailey, B.S.	Columbia
Saluda	F. M. Kears, B.S.	Saluda
Spartanburg	W. J. Martin, B.S.	Spartanburg
Sumter	T. O. Bowen, B.S.	Sumter
Union	J. L. Cochran, B.S.	Union
Williamsburg	R. A. Jackson, B.S.	Kingstree
York	J. D. Miller, B.S.	York
County Agent At Large	J. M. Napier, B.S., M.S.	Darlington

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Barnwell	R. H. Sams, B.S.	Barnwell
Charleston	W. L. Johnson, B.S.	Charleston
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Chester	T. A. Warren, Jr., B.S.	Chester
Chesterfield	J. W. Ginn, Jr., B.S.	Chesterfield
Clarendon	N. C. Anderson, B.S.	Manning
Colleton	J. R. White, Jr., B.S.	Walterboro
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Fairfield	E. V. Ragsdale, B.S.	Winnsboro
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Florence	F. M. Fleming, B.S.	Florence
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Greenville	J. W. Gilliam, Jr., B.S.	Greenville
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°Special Assistant

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Horry	D. A. Benton, B.S.	Conway
Horry	L. P. Anderson, B.S.	Conway
Jasper	R. W. Sanders, B.S.	Ridgeland
Kershaw	R. R. Montgomery, B.S.	Camden
Lancaster	A. F. Busby, B.S.	Lancaster
Laurens	J. B. Williams, B.S.	Laurens
Laurens	J. F. Wise, B.S.	Laurens
Lee	V. F. Linder, B.S.	Bishopville
Lexington	M. A. Bouknight, B.S.	Lexington
Marion	M. J. Carter, B.S.	Marion
Marlboro	J. L. Brown, B.S.	Bennettsville
Marlboro	D. E. Epps, B.S.	Bennettsville
Newberry	W. A. Ridgeway, B.S.	Newberry
Oconee	J. C. Morgan, B.S.	Walhalla
Oconee	*D. P. Matheson, B.S.	Walhalla
Orangeburg	J. B. Griffith, B.S.	Orangeburg
Orangeburg	J. H. Evans, B.S.	Orangeburg
Pickens	P. H. Bedenbaugh, Jr., B.S.	Pickens
Pickens	*W. D. Wood, B.S.	Pickens
Richland	C. E. Cousins, B.S.	Columbia
Saluda	H. V. Rogers, B.S.	Saluda
Spartanburg	J. W. Kelly, B.S.	Spartanburg
Spartanburg	C. W. Wilson, B.S.	Spartanburg
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Sumter	T. B. Tillman, Jr., B.S.	Sumter
Union	H. R. Montgomery, B.S.	Union
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York	C. H. Fant, B.S.	York
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Beaufort	Benjamin Barnwell, B.S.	Beaufort
Berkeley	R. C. Bacote, B.S.	Moncks Corner
Colleton	J. J. Mitchell, B. S.	Walterboro
Charleston	J. A. Amaker, B. S.	Charleston
Chester	M. M. Sitton, B.S.	Chester
Chesterfield	C. N. Wilson, B.S.	Chesterfield
Clarendon	William Thompson, B. S.	Manning
Darlington	S. C. Disher, B.S.	Darlington
Dorchester	Eugene Frederick, B. S.	St. George
Fairfield	D. G. Belton, Jr., B.S.	Winnsboro
Florence	H. S. Person, B.S.	Florence
Greenville	R. W. Anderson, B. S.	Greenville
Greenwood	B. C. Wright, B.S.	Greenwood
Horry	W. P. Johnson, B.S.	Conway
Kershaw	J. D. Marshall, B.S.	Camden
Lancaster	R. N. Smith, B.S.	Lancaster

Laurens	W. M. Holcomb, B.S.	Laurens
Marion	C. A. Brown, B.S.	Marion
Marlboro	J. W. Nesbitt, B.S.	Bennettsville
Newberry	B. J. Gill, B.S.	Newberry
Orangeburg	G. W. Daniels, B.S.	Orangeburg
Orangeburg	*Q. J. Smith, B.S.	Orangeburg
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Spartanburg	R. C. Smith, Jr., B.S.	Spartanburg
Sumter	Arthur Sanders, B.S.	Sumter
Union	J. M. Robinson, B.S.	Union
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----- Assistant State Girls' 4-H Club Agent, Rock Hill

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Bamberg	Marie Lambert, B.S.	Bamberg

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Beaufort	Mary Ellen Eaves, B.S., A.B.	Beaufort
Berkeley	Elizabeth D. Boykin, A.B.	Moncks Corner
Calhoun	Jeanne Coleman, B.S.	St. Matthews
Charleston	Lottie Marian Clements, B.S.	Charleston
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Chester	Julia D. Adams, B.S.	Chester
Chesterfield	Lillian D. Rivers, B.S.	Chesterfield
Clarendon	Eleanor Carson, B.A., M.S.	Manning
Colleton	Eva M. McGee, B.S.	Walterboro
Darlington	Mary Clarkson, B.S.	Darlington
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Dorchester	Ophelia Barker, B.S.	St. George
Edgefield	Harriet G. Lyon, B.S.	Edgefield
Fairfield	Mattie Lee Cooley, A.B., B.S.	Winnsboro
Florence	Vela Smith, B.S.	Florence
Georgetown	Margaret Hicklin, B.S.	Georgetown
Greenville	Myrtle Nesbitt, B.S.	Greenville
Greenwood	Elizabeth Herbert, A.B.	Greenwood
Hampton	Annie Rogers, B.S.	Hampton
Horry	Rose J. Webster, B.S.	Conway
Jasper	Elizabeth B. Berry, B.S.	Ridgeland
Kershaw	Margaret Fewell, B.A.	Camden
Lancaster	M. Evelyn Snow, B.S.	Lancaster
Laurens	Susan Hall, B.S.	Laurens
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Lexington	Louise Heriot, A.B., B.S.	Lexington
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Marion	Margie Davis, B.S.	Marion
Marlboro	Helen M. Graham, B.S.	Bennettsville
Newberry	Ethel Counts, B.A.	Newberry
Oconee	Mary C. Haynie, B.A.	Walhalla
Orangeburg	Sara E. Neely, B.S.	Orangeburg
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Union	Blanche Kelley, B.S.	Union
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Berkeley.....		Moncks Corner
Cherokee.....	Gladys L. Henry, B.S.	Gaffney
Chester.....	Willie Mae Elliott, B.S.	Chester
Chesterfield.....	Annie Louise McCall, B.S.	Chesterfield
Clarendon.....	Doris E. Wilson, B.S.	Manning
Colleton.....	Julia Cox, B.S.	Walterboro
Darlington.....	Betty Anne Locke, B.S.	Darlington
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Florence.....	Bobby J. Huggins, B.S.	Florence
Florence.....		Florence
Greenville.....	Hariet Gaston, B.S.	Greenville
Horry.....	B. Carolyn Meares, B.S.	Conway
Kershaw.....	Frances H. Sill, B.S.	Camden
Lancaster.....	Era E. Kemp, B.S.	Lancaster
Laurens.....	Hazle Ann Dean, B.S.	Laurens
Lexington.....	Virginia D. Pike, B.S.	Lexington
Marion.....	Rosanne Starkey, B.S.	Marion
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Oconee.....	Margaret G. Watson, B.S.	Walhalla
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Pickens.....	M. Louise League, B.S.	Pickens
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Spartanburg.....	Mary Agnes Ward, B.S.	Spartanburg
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Williamsburg.....	Martha Lucas, B.S.	Kingstree
York.....	Kathleen S. Matthews, B.S.	Rock Hill

NEGRO HOME DEMONSTRATION WORKERS

Marian B. Paul, B.S., State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

Willie M. Price, Assistant State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken.....		Aiken
Allendale.....	Annie Mae Butler, B.S.	Allendale
Anderson.....	Cynthia W. Williford, B.S.	Anderson
Bamberg.....	Hallie B. Perry, B.S.	Bamberg
Barnwell.....	Bette H. Shakesnider, B.S.	Barnwell
Beaufort.....	Williett Bowers, B.S.	Beaufort
Berkeley.....	Fannie M. Brown	Moncks Corner
Charleston.....	Albertha DeVeaux	Charleston
Cherokee.....	Martha Reid, B.S.	Gaffney
Colleton.....	Gussie M. Goudlock, B.S.	Walterboro
Darlington.....	Sara Aiken, B.S.	Darlington
Dorchester.....	Lillie Mae Jamerson, B.S.	St. George
Fairfield.....	J. Alfreda Wright	Winnsboro
Florence.....	Lillian Brown, B.S.	Florence
Georgetown.....	Rosa G. Gadson, B.S.	Georgetown
Greenville.....	Delphena W. Arnold	Greenville
Greenwood.....	Marie K. Adams, B.S.	Greenwood
Hampton.....	Leona W. Bing, B.S.	Hampton
Lancaster.....	Annabelle E. Spann, B.S.	Lancaster
Marion.....	Johnnie G. Sloan, B.S.	Marion
Marlboro.....	Minnie E. Gandy, B.S.	Clio
Newberry.....	Lillian G. Saunders, B.S.	Newberry
Orangeburg.....	Rosa R. Odom, B.S.	Orangeburg
Richland.....	Gertrude H. Sanders, B.S.	Columbia
Spartanburg.....	Cammie Fludd, B.S.	Spartanburg
Sumter.....	Helen C. Walker, B.S.	Sumter
Union.....	Laura J. Whitney, B.S.	Union
Williamsburg.....	Eva G. Lawrence, B.S.	Salters Depot
York.....	Helen Barnwell, B.S.	Rock Hill

Note: All Negro Home Demonstration Agents have had college training in Home Economics.

THE SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION

The Agricultural Experiment Station of South Carolina is a department of Clemson College. The experiment station at present consists of the main station, which is located at Clemson, and five sub-stations: one at Summerville, in the coastal plain region; one at Florence, in the Pee Dee section; one at Pontiac, near Columbia, in the sandhill region, one in the trucking section near Charleston; and one in Barnwell county in the melon-growing area. The main offices and laboratories of the station are located on the Clemson College campus, while the station farm, consisting of about 200 acres, is east of and adjoining the College campus. The investigations dealing with the fundamental principles of agricultural science and with the application of such principles to practical agricultural operations are carried on in the laboratories and on the experiment station farm at Clemson. The experiments looking to the adaptation of such scientific data accumulated here and elsewhere to the conditions peculiar to certain sections of the State are carried on at the sub-stations.

It is the aim of the experiment station to conduct research work on problems which have a direct practical bearing on the agriculture of the State. With this end in view extensive experiments relative to the best methods of procedure under various conditions with the principal plants and animals have been undertaken. Economic and social problems are likewise being investigated. As progress is made the results obtained are given out to farmers in the form of bulletins, circulars, and personal letters. Since the establishment of the station, 379 such bulletins and 74 circulars have been published, covering practically all phases of agriculture.

Aside from the research work and the publication of results obtained from such research, the experiment station performs various other duties. Among these might be mentioned the entomological and pathological inspection work (which aims to protect the farms, orchards, and gardens of the State against the introduction of injurious insects and diseases); the biological and soil survey of the State, and the cooperative experimental work carried on with farmers in the State. The technically trained

experts of the station staff are regarded as authorities in their several specialties, and they are constantly giving out information relating to the various lines of agricultural endeavor. The station staff also aids in disseminating agricultural knowledge by cooperating with the Extension Service of the College in holding agricultural meetings and conferences and by meeting with the farm demonstration agents and giving to them technical information which they in turn carry direct to the farmers.

Close cooperation is maintained with the various research bureaus of the United States Department of Agriculture and with the departments of the College. The laboratories are always open to inspection by students and other people of the State. The same is true of the experiment station farm. There is always opportunity for a limited number of students to secure work in the various divisions of the station and to assist in the research work carried on by the members of the station staff.

Home economics research is carried on in cooperation with Winthrop College at Rock Hill. This work is designed to secure additional information on economic, social, and health factors influencing the home and living conditions of rural people.

Close cooperation is maintained between the home economics research department, the teaching and extension workers in this field, and the clubs and societies engaged in the promotion of better rural homes.

A full report of the work and expenditures of the Experiment Station is published annually and this report and all other publications of the station are free and will be sent on request. (Requests for these should be addressed to the Director, Agricultural Experiment Station, Clemson, S. C.)

FERTILIZER INSPECTION AND ANALYSIS

The work of fertilizer inspection and analysis is under the supervision of the Fertilizer Board of Control consisting of a Committee of the Board of Trustees. The work of inspection and analysis is a department of the Agricultural Experiment

Station. District Inspectors are located in different parts of the State. Their duties are to collect official fertilizer samples for analysis and check on the tagging and labelling of all fertilizer material.

The chemical work consists of the analysis of commercial fertilizers as provided for by the Fertilizer Law of the State. This Department also undertakes the analysis of waters, ores, minerals, and other naturally occurring materials, portions of human bodies in cases of suspected poisoning (as provided by law), and the analysis of home-mixed fertilizers. All the work of this Department is done without charge.

THE AGRICULTURAL EXTENSION SERVICE

The agricultural extension work of Clemson College and the United States Department of Agriculture cooperating is carried on by the Clemson College Extension Service. The work is supported by federal, state, and county appropriations. The main development of extension work has come since the enactment of the Federal Smith-Lever Act of 1914 providing grants of funds to the states for this purpose. The purpose of extension work is to diffuse among farm people useful and practical information on subjects related to agriculture and the farm home, and, through demonstrations and other practical methods, to stimulate the application of such information by farm people.

Agricultural Extension Work:—Under an Act of the Legislature in 1929, each county in the State has a county farm agent. These agents are agricultural college graduates who have had practical farm experience. They devote their time to the development of the agriculture of their respective counties through farm visits, demonstrations, personal conferences, meetings, community organizations, publications, letters, and otherwise. A staff of extension specialists representing the important lines of agriculture in the State assists the county agents in planning and carrying out the extension program.

Home Demonstration Work:—While home demonstration work is a part of the cooperative program of extension work under the Smith-Lever Act, and is under the general direction of the Extension Service, this work is conducted under the im-

mediate supervision of Winthrop College. Every county is provided with a home demonstration agent by legislative enactment, and these agents conduct educational demonstration work with farm women and girls in the production, preparation, and conservation of the family food supply, home marketing, home improvement, clothing, home furnishings and home management, nutrition, community organization, girls' 4-H club work, and other farm home activities.

Negro Demonstration Work:—Thirty-four negro agricultural agents and thirty-one negro home demonstration agents are employed to do extension work with negro farmers of the State in counties having large negro populations. These agents are employed in cooperation with the State College at Orangeburg, where the supervising agents for this work are located.

Agricultural Economics and Farm Management:—The extension program in agricultural economics and farm management is directed toward a wider dissemination among farm people of economic information, including the results of research work and farm experience, that may be useful to them in planning and conducting their farm businesses. This program includes outlook and economic information, the analysis of farm and home accounts and enterprise records on crops and livestock, kept by farm people with the aid of extension workers, county program planning work, farm tenure work, outlook information, and other activities in this field.

Agricultural Engineering: Extension work in agricultural engineering includes mainly educational work with farm people in the proper terracing and drainage of farm lands, irrigation, the efficient use of farm machinery and equipment, plans for farm buildings and other farm structures, improved cotton ginning methods, the utilization of electric power on the farm and farm water systems.

Field Crops:—Extension work with farm people on field crops includes educational demonstration work in the efficient production of high quality cotton, corn, tobacco, small grains, summer and winter legumes, hay crops, and other crops that are of importance to South Carolina farmers as sources of income and also

food and feed, and the efficient use of commercial fertilizers. This work is currently emphasizing annual grazing and improved permanent pastures.

Livestock:—Extension work in this project includes demonstrations in efficient livestock production, including the use of pure-bred sires, hog-feeding demonstrations, swine sanitation demonstrations, beef cattle, sheep and mule production, cooperative marketing of livestock, 4-H pig and beef calf club work, and the preservation of the farm meat supply.

Dairying:—Extension work in dairying includes work with farm people in placing and encouraging the use of purebred sires, artificial insemination, dairy herd management, care and handling of milk, pastures and feed production, 4-H dairy calf club work, the marketing of dairy products and dairy cattle, the use of dairy equipment, and the feeding and management of the family cow.

Crop Insects and Diseases:—Crop insects and diseases take a heavy toll on the farms of South Carolina every year. The extension program in this line includes educational demonstration work in the prevention and control of crop diseases, crop insects, and work with beekeepers.

Forestry:—The extension program in farm forestry is directed toward the conservation, proper utilization, and efficient marketing of the farm forestry resources in the State. This program includes educational demonstration work in reforestation, thinning, pruning, selective cutting, fire protection, and timber estimating.

Boys' 4-H Club Work:—Agricultural clubs of farm boys are organized for the purpose of enlisting the intelligent interest of the boys and their parents in improved methods of agriculture. This program includes the organization of 4-H clubs, supervision of 4-H club demonstrations of crops and livestock production and checking the results, training 4-H judging and demonstration teams, leadership, and citizenship training, and holding 4-H club camps, tours, and recreational meetings.

Horticulture:—Extension work with farm people along horticultural lines includes mainly demonstration work in home or-

chard establishment and management, commercial peach and apple production, home gardens, the production of commercial truck crops, and sweet potato production. The emphasis is placed upon the efficient production of quality products both for home use and for the market.

Marketing.—Since the efficient marketing of farm products cannot be wholly separated from production, much of the time of all extension workers is devoted to assisting farm people with their marketing problems. This program includes assistance in the organization and operation of cooperative marketing associations, cooperation with auction markets, supervision of the federal-state shipping point inspection service for fruits and vegetables, demonstrations in grading and packing farm products, all of which is connected with the work of the Extension Service in aiding farm people to produce the varieties and quality of farm products that can be sold on the markets in this State and in other states.

Poultry.—The extension program of poultry demonstration work includes demonstration poultry and turkey flocks, the brooding and rearing of chicks, disease and parasite control, the construction of poultry houses and the use of poultry equipment, the development of poultry breeding flocks, 4-H poultry club work, and the marketing of surplus poultry and eggs from the farms of the State.

Publication and News.—The extension program of publications and news includes the preparation, editing and distribution of agricultural bulletins, news material and circulars, both from the College, and from the offices of the county agents and home demonstration agents. Mimeographed news articles and special news stories of agricultural interest are supplied to the newspapers of the State, and to the Associated Press. Monthly letters or printed circulars on poultry, orchards, gardening, dairying and Boys' 4-H club work are mailed free of charge to those persons especially interested in these subjects. Bulletins covering the important lines of farm activity in the State are prepared and made available to farm people who desire such information.

Radio Programs:—Radio programs are presented weekly over almost all of the radio stations in the State, bringing current agricultural news to the farm people.

Visual Instruction:—The extension program of visual instruction includes the production and showing of educational motion pictures, film strips, and slides on agricultural and home economics subjects, and the production of photographs, charts, maps, and other visual educational material.

Other Activities:—The Extension Service represents the Clemson Agricultural College, which is the Land Grant College of the State, in conducting the educational work among farm people in connection with agricultural programs of the Federal government, such as the Agricultural Adjustment program, the Soil Conservation program, the Rural Electrification program, the Tennessee Valley Authority program, Farm Credit, and others. In addition, special programs, which involve the organization of agricultural resources, and other emergency programs of this nature are organized and conducted by the Extension Service.

LIVESTOCK SANITARY WORK

The function of the Livestock Sanitary Department is to assist livestock owners in the control and eradication of contagious, infectious and communicable diseases of livestock and poultry. When requested, investigations are made, and when necessary, assistance is rendered in the treating of livestock. Advice is also given for the control and eradication of diseases. In cooperation with the Federal Government and other States, this department maintains quarantine measures to prevent, so far as possible, the introduction of diseased livestock into the State.

This department of the College maintains a fully equipped laboratory in Columbia for the purpose of assisting veterinarians and owners of livestock and poultry in making diagnoses which cannot always be made in the field.

While the main office of this department is in Columbia, Assistant State Veterinarians are located in various sections of the State where their services may be obtained on short notice upon request.

In addition to the regular force of veterinarians directly connected with the Columbia office, practicing veterinarians are commissioned as Deputy State Veterinarians and assist in the control and eradication of contagious and infectious diseases of livestock. At present there are seventy-nine veterinarians so commissioned, and their locations are such that the Clemson College Livestock Sanitary Department is in position to render prompt service to livestock owners in all sections of the State.

The Clemson College Livestock Sanitary Department is fully equipped with large stocks of all classes of veterinary biologics for the control and eradication of contagious and infectious diseases of livestock. These products are used by our veterinarians in assisting with the control of contagious and infectious diseases and the owner pays for them on a cost basis.

This department is required by legislative enactment and supported by legislative appropriation.

CONTROL OF CROP PESTS AND DISEASES

The work of eradicating or preventing the introduction, spread or dissemination of any injurious insects and plant diseases is carried on under the direction of the State Crop Pest Commission. The State Entomologist and the State Pathologist have charge of this work under the commission.

The work of these officers consists in the control of contagious plant diseases and insect pests. Supervision of all nursery stock sold within the State is a duty of the Crop Pest Commission.

A permit tag issued by the State Crop Pest Commission should be attached to every package of nursery stock, seed, or plants offered for sale or shipment for planting purposes.

THE ENGINEERING EXPERIMENT STATION

The Engineering Experiment Station of the Clemson Agricultural College was established by the Board of Trustees in July, 1924. Its purpose is to aid the present industries in the State to do research work on the material resources of the State with a view of leading to the establishment of new industries, to study methods of utilizing waste products, etc.

In addition to serving the industries of the State and helping to solve engineering problems for the agricultural interests, it is hoped, in cooperation with the stations of other states, to add to the store of scientific and engineering knowledge. The staff consists of well-trained men from the various schools and departments of the College. The laboratories of the several departments of engineering, as well as others, are available for the use of the station in its investigation.

During the war period the Engineering Experiment Station undertook worthwhile projects in cooperation with the War Production Board. Emphasis is now being placed upon special research in ceramics.

ITINERANT TEACHER TRAINING IN VOCATIONAL EDUCATION

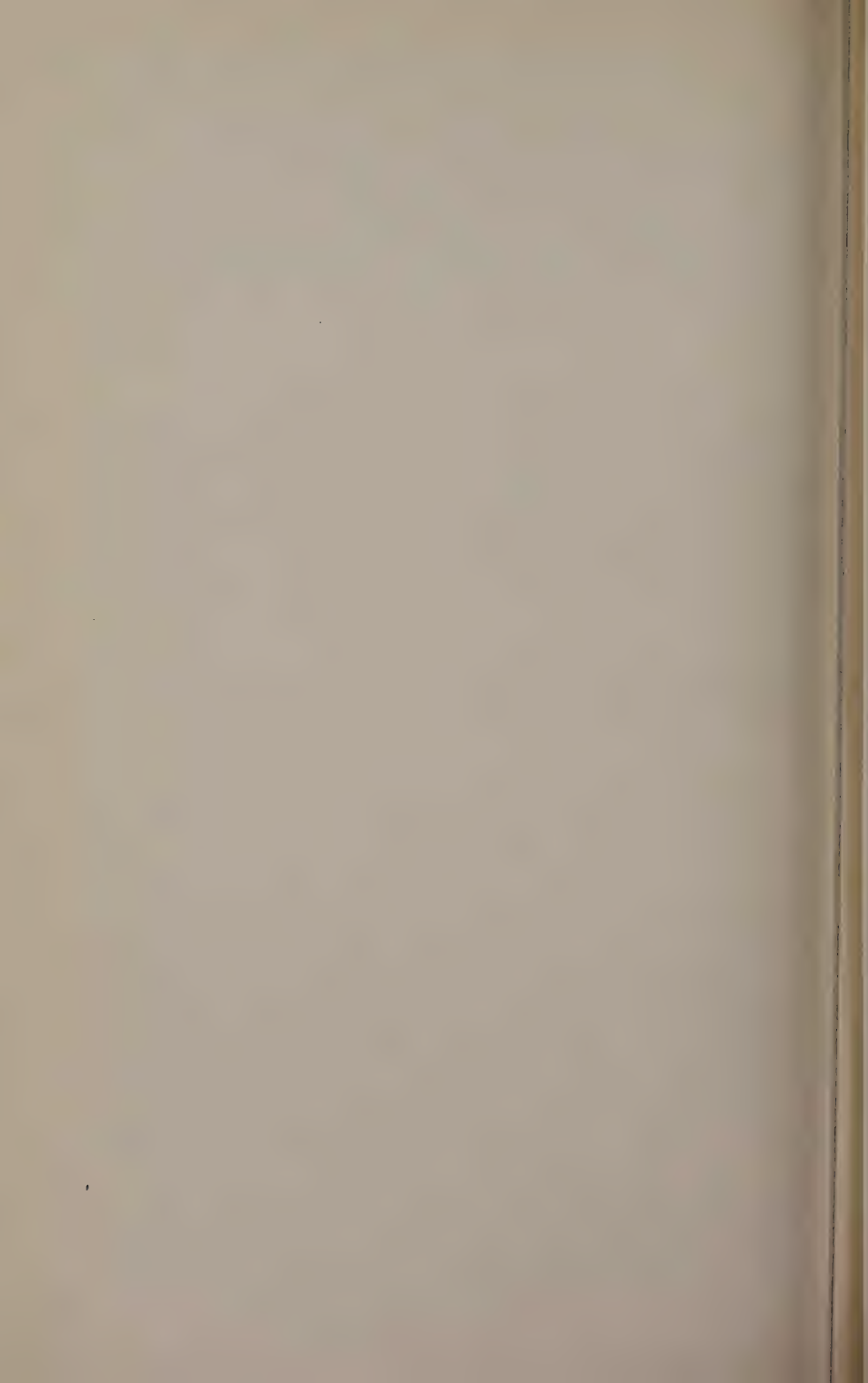
The College in cooperation with the State Department of Education is glad to assist those who teach vocational subjects in day trade schools and evening trade and industrial classes by supplying a trained man to assist in the work of organizing classes, organizing courses of study, making plans for teaching evening classes, and actually teaching vocational subjects. Requests for information regarding this service should be addressed to Mr. L. R. Booker, State Teacher Trainer in Industrial Education, Clemson, South Carolina.

The members of the staff of Agricultural Education visit all beginning teachers for the purpose of assisting them on the job and also for the purpose of collecting information which may

prove helpful in improving the work of teacher training at the College. In addition, conferences of teachers are held and consulting services made available in the interest of the professional growth of agricultural teachers, the rendering of service to agricultural communities, and the development of leadership among agricultural youth through the program of the Future Farmers of America.

SHORT COURSES AND CONFERENCES

The facilities of the College are made available for special meetings, such as farm groups, rural ministers, religious organizations, and scientific societies; and arrangements are made for special short courses in poultry, beekeeping, food preservation, cotton classing, water supply and sanitation, etc. Such activities, undertaken in the interest of the general welfare, are encouraged by the College.



**THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD**

PART VII

Student Register

1950-1951

GRADUATES OF 1950

BACHELORS' DEGREES CONFERRED JANUARY 29, 1950

SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

*Warren Eugene Deviney _____ Henry Donald Hammond _____ Seneca
 _____ Rutherfordton, N. C.

Agriculture—Agronomy Major

George Homer Baker _____ Cades Eldon Verdree Haigler, Jr. _____ Cameron
 Lauren Parrott Booth _____ Sumter Micah Creech Jenkins, Jr. _____ Allendale
 Benjamin Forrest Drake _____ Pelzer Thomas Edward Wallace _____ Bennettsville

Agriculture—Animal Husbandry Major

William Jennings Bryan, Jr. _____ Walterboro Elbert Henry Martin _____ Conway
 Joseph Wheeler Ginn, Jr. _____ Charleston Jacob O'Brien Shuler _____ Holly Hill
 Dennis Gilmore Haigler _____ Cameron Clary Hood Smith _____ Spartanburg
 Elbert Lloyd King _____ Chesterfield Lorick Sanders Swygert _____ Waterloo
 *Robert Samuel McCants, Jr. _____ Cameron Lewis Monroe Trowell _____ Lena
 Carl DuBose McElveen _____ Columbia **Thomas Asbury Warren, Jr. _____ Prosperity
 Cecil Kennedy McRae _____ Gresham Ernest Guerry Wyndham _____ Moncks Corner

Agriculture—Dairy Major

Charles Keith Watson _____ Anderson

Agriculture—Entomology Major

Harold Morgan DeLorme, Jr. _____ Columbia Charles Byrd Doyle _____ Anderson
 Cecil Roudolph Hodge _____ Alcolu

Agriculture—Horticulture Major

Donald J. Akers _____ Carrollton, Ky. Lee Bryan DeYoung _____ Clemson
 Stephen Randall Estes _____ Greenville

Agricultural Engineering

Frank Whatley Atkinson _____ Augusta, Ga. Thomas Andrew Hill _____ Florence
 James Duncan Baldwin _____ Greenwood Leonard Gary Jeffords _____ Timmonsville
 *Philip Leonidas Benfield _____ York Robert Gaston Mace _____ Gresham
 Hubert Habenicht Biser _____ Columbia Emmett David Maney _____
 Joseph Raymond Broadway, Jr. _____ West Asheville, N. C.
 _____ Summerton George Robertson Park, Jr. _____ Winnsboro
 Jabez Franklin Canfield _____ Greenwood (Diploma awarded posthumously)
 *Earle Chamness, Jr. _____ Bennettsville Frank Jackson Patton, Jr. _____ Brevard, N. C.
 Thomas Martin Connor _____ Bowman Hiram Mackey Scott _____ Aiken
 John Robert Cothran _____ Inman Junior Mervin Stamey _____ Dewey Rose, Ga.
 Clement Olin Epps _____ Latta William Wayne Turner _____ Travelers Rest
 James Wade Goodman _____ Mountville Clifford Mallory Walden _____ Landrum
 *Samuel Parker Young _____ Dalzell

SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

Charles Lawrence Archer _____ Anderson W. A. Holshouser _____ Erwin, Tenn.
 Walter Pinson Bailey _____ Greenwood George La Brasca _____ Charleston
 Hugh Louis Boroni _____ Brooklyn, N. Y. *Billy Gene McCall _____ Ellerbe, N. C.
 *Roy H. Bowen _____ Greenville Guy Hector McCarey, Jr. _____
 James Decatur Boykin _____ Georgetown Tallahassee, Fla.
 William Jerry Brown _____ Walhalla Hershel McGee Maddox _____ Easley
 Ray McIver Clanton _____ Charlotte, N. C. Jack Rouse Miller _____ Georgetown
 Leland Ross Cooper _____ Travelers Rest Arthur Neal Turner, Jr. _____ Reidsville, N. C.
 James Kermit Wilson _____ Duncan

Industrial Physics

John Paul Dobbins _____ Spartanburg Eli Franklin Sapp, Jr. _____ Albany, Ga.
 Isaac Lemuel Falkner _____ Charlotte, N. C. James Patrick Shealy, Jr. _____ Orangeburg
 Robert Ellis Hiller, Jr. _____ Greenville John Townsend Stevens, Jr. _____ Sumter

Pre-Medicine

Thomas Albert Collings _____ Clemson James Howard King _____ Loris
 Ervin Eugene Hunsuck _____ Gaffney Harold Belton Ligon _____ Iva

*With honor

**With high honor

SCHOOL OF CHEMISTRY

*Bachelor of Science Degree
Chemistry*

*Thomas Watson Lewis, Jr. ----- Spartanburg

SCHOOL OF EDUCATION

*Bachelor of Science Degree
Industrial Education*

Daniel Eugene Dukes -----	Orangeburg	Thomas Earle Lineberger -----	Greenville
William Franklin Gilmore -----	Santuck	James Harold McConnell -----	Anderson
Louis Darden Hardwick, Jr. --	Rock Hill	David Tim Newton -----	Central
Arnold Byrd Jordan -----	Bishopville	Bernard Ernest Owen -----	Orangeburg
*Ralph Jackson Vernon -----	Greenville		

Vocational Agricultural Education

Ralph Davis, Jr. -----	Johns Island	William Cary Metts -----	Cottageville
*Thomas Eugene Johnston, Jr. -----	Moncks Corner	Eugene Trenholm Moore, Jr. ---	Lake City
Jack Randolph Lacey -----	Ravenel	Raymond Taylor Moore -----	Piedmont
John Russell McLain -----	Chesterfield	Coker Nelson Price -----	Wolfton
Robert Joseph Vermillion -----	Donalds	George Wallace Seaborn -----	Walhalla

SCHOOL OF ENGINEERING

*Bachelor of Science Degree
Architectural Engineering*

William Otis Ameen -----	Winnsboro	William Clyde Gregory -----	Chesnee
*Karl Berger -----	Baltimore, Md.	Charles Arthur Hair -----	Fairfax
Oliver Kent Cecil -----	Spartanburg	George Evans Huiet, Jr. -----	Trenton
William Edward Fripp -----	Florence	Guye St. Claire Sanders, Jr. ---	Bamberg
Frank Marshall Gooch -----	Spartanburg	James Isaac Simpson, Jr. ----	Piedmont

Architecture

Homer DeWitt Blackwell ----	Greenwood	George Caylor Hedden, Jr. ---	Badin, N. C.
John Abner Burton, Jr. ---	Greensboro, N. C.	Charles Richard Kelly -----	Charleston
Robert Edmund Dilfield --	Lakeland, Fla.	Backstrom Burnside Neeley ---	Columbia
*William Shafer Dows, Jr. ---	Spartanburg	William Anderson Sloan, Jr. --	Anderson
Robert Hunter Fellers -----	Newberry	*Richard Irwin Wilkins -----	Florence
Henry Bowman Foy --	Waynesville, N. C.	Robert Richard Workman. ---	Charlotte, N. C.

Bachelor of Civil Engineering Degree

Olen L. Allen -----	West Union	**Grover Cleveland Haynes, Jr. -----	Cliffside, N. C.
Gerald Winston Arnsts, Jr. -----	North Tonawanda, N. Y.	Curtis Mack Head -----	Greenville
Robert Gerald Black -----	Rock Hill	Robert Ward Healan -----	Rock Hill
John Warren Bradfield, Jr. -----	Charlotte, N. C.	William Angus Lee, Jr. ---	Elberton, Ga.
Jack Simmons Burdette -----	Greenville	James Norman McGill -----	Anderson
Henry Carroll Chambers -----	Beaufort	William C. Moisson -----	Greenville
James Austin Chandler -----	Clinton	Alvin Brown Morgan, Jr. -----	New Orleans, La.
Thomas Martin Connor -----	Bowman	*Michael Enrico Russo. ---	New York, N. Y.
*Merlin Ernest Giddings -----	Washington, D. C.	Jessie Marion Thomason ---	Toccoa, Ga.
Gilliam Stelling Harris -----	Daytona Beach, Fla.	Marion Chalmers Wilson, Jr. -----	Darlington

Bachelor of Electrical Engineering Degree

Walter Kenneth Bowen -----	Piedmont	***Neil Anthony Montone. ---	Westminster
*George Washington Bowers -----	Central	Kenneth Smith -----	Duncan
Allen Bradford Carver -----	Greenville	John Peter Strug -----	New York, N. Y.
David Franklin Castles -----	Winnsboro	William Marshall Taylor -----	Anderson
Joseph Edward Fennell -----	Hardeeville	William Carroll Thorne -----	Sumter
George Lindsey Finley -----	Anderson	Donald Sharpton Timmerman -----	Augusta, Ga.
John D. Hart -----	Kelton	*Hoyt Jackson Watson -----	Anderson
*Rush Winslow Hood -----	Greenville	London Earl Weisner -----	Laurens
H. J. Lark -----	Easley	Henry Grady Wright, Jr. -----	Shelton
Douglas George Lytle --	Stamford, Conn.		

*With honor

**With high honor

***With highest honor.

Bachelor of Mechanical Engineering Degree

George Lee Adams, Jr.	Spartanburg	James Marion Jackson	Rock Hill
John Edmond Bell	Orangeburg	Louis Bigelow LeFevre	Augusta, Ga.
Hubert Cochran Eberhart	Anderson	Bernard Levenson	Brooklyn, N. Y.
James Richard Evans	Anderson	Edward Russel Mappus	Charleston
Otis Glenn Florence, Jr.	Wrens, Ga.	Thomas Edwin Nott, IV	Charlotte, N. C.
John David Gienn	Hartsville	*Charles Thomas Peigler	Greenville
Darcy Duncan Harris, Jr.	Laurens	David Livingstone Plaxico	Blacksburg
Clifford Calvin Hayslip	Spartanburg	Billy McCoy Reaves	Bishopville
Richard Goodman Hicks	Spartanburg	Bruner Ray Sikes, Jr.	Spartanburg
Eustace Mack Horton	Spartanburg	Alton Josey Watts	Mayesville
Harold Royden Worthy	Lockhart		

SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Chemistry*

William Howard Keasler ..	Westminster	*Richard Neal Westmoreland	Winston-Salem, N. C.
Walter Thomas Rutledge, Jr.	Greenville		

Textile Engineering

Glenn Dewey Brackett	Rock Hill	Clarence Otis Lamoreux, Jr.	Spartanburg
Roderick Smarr Brisendine	East Point, Ga.	Dan O'Neil Miller	Chester
Jack Ford Cox	Marion	*Daniel Livingston Moyd	Ninety Six
Robert Alexander Gettys, Jr.	Rock Hill	Norman Orr Palmer, Jr.	Norris
Charles Robert Greene	Central	Charles Wesley Patterson ..	Spartanburg
Nelson Smith Gwinn, Jr.	Woodruff	Curtis Hilton Rawls	Rock Hill
Frederick Nelson Hall, Jr.	Spartanburg	William Thomas Ryan, Jr.	Naval Base
Robert Yates Hamrick	Boiling Springs, N. C.	Roy Norman Taylor, Jr.	Spartanburg
Charles Walter Holcombe	Greenville	Samuel Merrell Timms	Anderson
*Nathaniel Anderson Howell	College Park, Ga.	William McDaniel Tindal, Jr.	Greenville
		Henry Christopher Wingard ..	Lexington

Textile Manufacturing

Julio Enrique Aguilar ..	Alajuela, C. R.	Philip Brewer Hudson	Walhalla
David Amick Aiken	Winnboro	Jack J. James	Pendleton
Charles Perry Anderson ..	Lexington, N. C.	Edward Melton Johns	Spartanburg
Louie Verner Andrews, Jr.	Cedartown, Ga.	John Arthur Johnson	Warrenville
William George Atkins	Anderson	Ansel Hardy Lowe	Graniteville
Earle Ray Aycock	Greenville	Paul Richard Lunsford	Charlotte, N. C.
Samuel Ellis Ball	Greenville	Hoyt Vance McGuirt	Fort Mill
James Balloch, Jr.	Travelers Rest	Joseph William McMahan	Greenville
James Pickens Bell	North Augusta	Clarence Berry Martin, Jr.	Greenville
Owen Franklin Benton, Jr.	Eufaula, Ala.	Harold Lee Mickle	Rock Hill
Malcolm Bennett Bishop, Jr.	Landrum	Thomas Dalton Miller, II	Chester
James Arthur Black	York	Uvil Bennett Moore	La France
Herman Santford Boyd, Jr.	Laurens	William Barron Owen	Greenville
*Jack Gilbert Brock	Whitmire	Thomas Edsel Perry	Anderson
*Julius Alvin Byrd	Greenville	William Minor Poag	Joanna
Lewis Calvert, Jr.	Mount Holly, N. C.	Jack Rollins Pruitt	Anderson
James Tyler Cameron	Chester	Lloyd Whitley Pusser	Chesterfield
William Lawrence Campbell ..	Greenville	George Paul Reid, Jr.	Greenville
J. Olin Cleveland	Anderson	Theodore Branch Rheney	Spartanburg
*Marshall McGowan Clinkscales, Jr.	Abbeville	Frank Leon Rhyne	Gastonia, N. C.
H. Marvin Connolly	Woodruff	Frederic Homer Sargent	Orlando, Fla.
Joseph Henry Cook	Travelers Rest	William Budroe Sears	Clemson
*Francis Marion Cureton	Union	Carey Weldon Sightler	Greenville
Robert Jones Duckworth	Westminster	Charles Skelton	Anderson
George Rogers Fleming	Chester	Earl James Smith	Buffalo
Ralph David Fowler	Anderson	Herrin Eugene Smith	Dover, N. C.
John David Gaddy	McColl	Clarence Barney Sperry	Spartanburg
Henry Peden Gaines	Honea Path	James Grady Strom	McCormick
Jack Rudolph Gaines	Liberty	Richard Ashmore Sublette	Westminster
*Glen Perry Gasaway	Jefferson, Ga.	Calvin C. Toney	Seneca
Conrad Livingston Hall	Winnboro	James Lewis Vinson	Union
Andrew Carlton Harrison ..	Spartanburg	James Shaffer Williams	Anderson
Donald Otto Hartin	Greenville	Lawson McFall Wise, Jr.	Greenville
***Jasper Willis Hastings	Chester	Lewis Aaron Wood	Ware Shoals
*Richard Christian Hoffmann	Fanwood, N. J.	Donald Reid Yarbrough	York
		Rudolph Lewis Yobs	Columbia
		Elmer Ray Young	Honea Path

*With honor

***With highest honor

MASTERS' DEGREES CONFERRED JANUARY 29, 1950

SCHOOL OF ARTS AND SCIENCES

*Master of Science Degree**Physics*

Thomas Jenkins Turner ----- Laurinburg, N. C.

SCHOOL OF EDUCATION

*Master of Science Degree**Industrial Education*

William Bratton Williams ----- Clemson

BACHELORS' DEGREES CONFERRED JUNE 4, 1950

SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

Wyman Wayne Ballentine -- Blythewood
 James Mack Lawrence ----- Seneca
 Frederick McSwain McConnell ----- Seneca
 James Earl Millsap, Jr. ----- Gable
 Theodore Legare Monroe ----- Marion

Herbert Doyle Morgan, Jr. ----- Seneca
 Marshall Jones Morgan ----- Seneca
 William Province Roberts ----- Lugoff
 **Calvin C. Taylor ----- Greenville

Agriculture—Agronomy Major

**William Baynard Boykin ----- Boykin
 Charles Myers Brown ----- Oswego
 Porter Barrett Cohen -- Waynesboro, Ga.
 William Herbert Craven, Jr. -- Bamberg
 Justus McDowell Curry ----- Gray Court
 James Ozelle Gaines ----- Townville
 Edward Henry Hanna, Jr. ----- Gifford

John H. Hardwick ----- Conway
 Ralph Carlton Herring ----- Marion
 Owen Frederick Huff ----- Branchville
 Ray Courtney Smith ----- Bishopville
 Wendell Moses Steedly ----- Bamberg
 Robert DuRant Wham ----- Mountville

Agriculture—Animal Husbandry Major

William Ray Alexander, Jr. -- Bishopville
 William Manly Barfield ----- Sumter
 John Ed Brannen ----- Register, Ga.
 Bonneau Murray Brodie ----- Aiken
 Robert Claude Brown ----- Spartanburg
 Clarence Eugene Causey, Jr. ----- Furman
 Lewis Watson Clarke ----- Pineville
 Julius Lewis Crocker ----- Union
 William Samuel Eubanks ----- Anderson
 David Lee Evans ----- Holly Hill
 Samuel Grady Gilliam ----- Abbeville
 Ollie Pinkney Hammond ----- Fair Bluff, N. C.
 *George Ray Hannah ----- Columbia
 Roland T. Hewitt, Jr. ----- Florence

Thomas Frank Jackson ----- Clover
 William Fitch Lachicotte ----- Pawleys Island
 Marion Davis Lever, Jr. ----- McConnellsville
 **Jack Smith McGinnis ----- Mooresboro, N. C.

Lynwood Grant Melton ----- Lyman
 **James Keith Price ----- Gaffney
 Willie Goff Rinehart, Jr. ----- Leesville
 *Robert Bolivar Scott ----- York
 John Gilbert Smith ----- Orangeburg
 Willie Wood Smith ----- Bowman
 Robert Elmer Warner ----- Ninety Six
 Neil Erwin Williamson -- McConnellsville

Agriculture—Dairy Major

Albert Foster Busby ----- Anderson
 Reginald Holder ----- Union

*Adger Smyth McKay ----- Hendersonville, N. C.
 John Earl Wessinger ----- Leesville

Agriculture—Entomology Major

Charlie Scattergood Creighton ----- North Augusta

Alfred Ray Hopkins ----- Pendleton

Agriculture—Horticulture Major

Francis Wightman Barton ----- Aiken
 Douglas Dale Blocker ----- Walterboro
 Lucius Compton Hamilton ----- Easley

*Samuel Worth Hastings -- Norfolk, Va.
 Herbert Franklin Weed, Jr. ----- Irmo

Agriculture—Poultry Major

*Richard Benjamin Anderson ----- Sleepy Eye, Minn.

William Thomas deRieux --- Blythewood

*With honor

**With high honor

Agricultural Engineering

Carroll Glenn Allen	Latta	Dan McIver Howle	Darlington
Jack Joseph Bush, Jr.	Allendale	George Connor Jeffcoat	Cope
Jesse Philip Flowers	Darlington	James Freeman Lay, Jr.	Central
Maynard Donald Funchess ..	Rowesville	Justin Stephens McMillan	Allendale
Fred Madison Gambrell, Jr. ..	Pendleton	Norman Ernest Shuler	Rembert
Woodrow Wilson Hare	Madison	*Carl Henry Thomas	Holly Hill
Benjamin Hancock Herlong	Saluda	Carrol Heyward Warner	Wagener

SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

William Stewart Adams	Clemson	Daniel Spencer May	Calhoun Falls
Howell Taylor Arthur, Jr.	Bristol, Tenn.	Albert Wood Olson	De Land, Fla.
J. T. Barton, Jr.	Greer	William Robert Ponder	Williston
William Tennent Besson, Jr.	North Augusta	Robert Franklin Rayle	Eastover
Julian Pickens Bland, Jr.	Johnston	Ernest Redfern Reeves	Branchville
Andrew Pickens Calhoun	Savannah, Ga.	James Henry Rice	Charleston
Raymond Benson Cromwell, Jr.	Chester	Harold Raymond Selfridge	Lakeville, Conn.
William Elliott Darby	Fort Motte	James Lee Setzer	Canton, N. C.
Thomas Mack Ferguson, Jr.	York	James Lewis Shirley	Sandy Springs
*Keith Anderson Gatlin	Newberry	Charles Verner Stribling, Jr.	Seneca
George Daniel Grice, Jr.	Charleston	William Ray Stribling	West Pelzer
Alvin McNeil Howard, Jr.	Atlanta, Ga.	Stark Bellotte Sullivan, Jr.	Anderson
Travis Hamilton Langford	Ridgeland	*Norman Carl Wessinger	Springfield
Leonard Mackenzie Magruder	Sarasota, Fla.	Curtis Talmadge Wilson	Allendale

Industrial Physics

David Earl Barnes	Brevard, N. C.	Roy Kimble Frick	Spartanburg
Alonza D. Brinson, Jr.	Wilmington, N. C.	James Clark Seabrook Rivers	Johns Island
*Richard Franklin Collins	Greenville	**Avon Leon Thompson	Anderson
Wilbur Charles Emory, Jr.	Gastonia, N. C.	John Smith Wilkerson, Jr.	Hickory Grove

Pre-Medicine

Henning Frederick Adickes, Jr.	York	Jesse Walter Sanders, Jr.	Anderson
Julian Frippe Craig, Jr.	Eastover	*Arman Derrick Stalvey	Georgetown
Ernest Franklin Furr	Rock Hill	Ollie Land Stukes	Manning
Edgeworth Ansel Kelley, Jr.	Greer	Perry Nicholas Trakas	Spartanburg
Jack Brunson Richbourg	Union		

SCHOOL OF CHEMISTRY

*Bachelor of Science Degree**Chemistry*

**Robert Walter Berry	Atlanta, Ga.	Leon Neil Ortkiese	New Orleans, La.
James Michael Moss, III	Cameron	*Harry Edwards Ulmer	Great Falls

SCHOOL OF EDUCATION

*Bachelor of Science Degree**Education*

Carlos Baxter Ballew	Liberty	*Robert Hugh Lockaby	East Flat Rock, N. C.
Henry Lamar Franks	Greenville	George Washington Mosteller	Greer
Fred Palmer Hamilton	Seneca		
James Francis Hunt	Liberty		

Industrial Education

Glenn Leroy Clark	Johnston	David Conrad Miller	Summerville
William Ray Cochran	Seneca	John Edward Mitchell	Augusta, Ga.
Harold Herbert Harrison	Greenville	Albert Ward Smarr, Jr.	Hickory Grove
Harry B. Lowder	Albemarle, N. C.	James Ansel Tinsley	Liberty
John William McCombs	Greenwood	William Bomar Turner, Jr.	Blacksburg
Billy Morton Miller	Easley	Woodrow C. Williams	Central

*With honor

**With high honor

Vocational Agricultural Education

Thomas Egger Bankhead, Jr. Sharon	Leslie Whitfield Gibbons New Zion
Edwin Reddon Barrineau	Ralph Singleton Jackson Manning
..... San Antonio, Tex.	Harold Brice Littlejohn Pacolet
Earl Reel Boazman Chappells	Paul Eugene Ramsey, Jr. Gaffney
Charles Winfred Clement Inman	*Roland Shelley Nichols
*Oscar Richard Cothran, Jr. Pickens	Charlie Edward Till Ruffin
Judson Marion Davis, Jr. Norway	Robert Alexander Westbrook...Blacksburg
George Harold Furse, Jr. Summerton	James Benjamin Whitmire .. Griffin, Ga.
William Aiken Gamble Charleston	William Campbell Winburn ... Hartsville
Thomas Henry Gentry Summerton	

Poultry and Vocational Agricultural Education
William Andrew Westmoreland Clover

SCHOOL OF ENGINEERING

*Bachelor of Science Degree**Architectural Engineering*

John Thomas Coursey, Jr. Charlotte, N. C.	Jack Farnell Langley Conway
William Robert Foster Greenville	John Theodore Poulos, Jr. Spartanburg
**Emery Aaron Gunnin Starr	James Lee Thomas Dillon
	Wallace Dan Vaughn, Jr. Union

Architecture

Fred Allen Bettis Greenville	William Clayton Mays, Jr. Fair Play
Nat Spoon Cornwell Fort Myers, Fla.	Vernon Hinton Nowell ... Savannah, Ga.
Ray Nelson Crowe Greenwood	Stuart Reavis Penn Anderson
Harry Dewitte Hedgepath Columbia	George Raymond Price, Jr. Columbia
Julian Thomas Hollis Union	Kenneth Ray Sanders Gaffney
James Walter Kelly, Jr. Anderson	Sam Tinsley Snoddy, Jr.
Merrill Alvin Levy Charleston	 Rockingham, N. C.
Harry Moore Love Chester	James Harold Townes, Jr. Pickens
Henry Clyde McDonald, Jr.	Brockington Graham Woodham, Jr.
..... Brevard, N. C.	 McColl

Architectural Engineering and Architecture

John Wilbur Hamer Tatum	Henry Harold Tarleton, Jr. Union
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Bachelor of Chemical Engineering Degree

Ronald Hector Bouchard Wauregan, Conn.	George Michael Lloyd, Jr. Charleston
*Ernest Decatur Brockman Greenville	Louis Aimar Mitchell Folly Beach
Eugene Currin Carter Lamar	*Dewey Earl Parnell Anderson
John Claude Eargle, Jr. Parr	Albert Henry Peters, Jr. .. Summerville

Bachelor of Civil Engineering Degree

**Robert Augustus Arthur...Spartanburg	Clarence Wyteman Maffett, Jr. Johnston
Thomas Waring Bailey Summerville	*Walter Coker Moorman Florence
Harold Smith Boozer, Jr. Denmark	Richard Hamer Pennell Spartanburg
James Gilbert Bundy Bennettsville	***Sam Layton Pettit Pauline
Thomas Earl Coleman, Jr. Mountville	Jack Dan Sharpe Gaston
Thomas Ferguson Cudworth	*Roy Preston Taylor, Jr. Greenville
..... Greensboro, N. C.	Warren Eugene Watkins Greenville
Traverse Scofield Foster, Jr. .. Greenville	Arthur Walker Watson Easley
Hollis Louie Hance, Jr. Lancaster	Dennis Neal Wilson Greenville
Hugh McLeod Hardaway Dillon	*Floyd Donald Wright .. Biltmore, N. C.
*Cephus Werts Long Newberry	

Bachelor of Electrical Engineering Degree

*Melvin Aiken Sunset	Walter Ervin McRae, Jr. .. Bennettsville
Lawrence David Allen Savannah, Ga.	John Quincy Metcalf, Jr. Greenville
**Arthur James Banks St. Matthews	Calvin Brooks Morrow Clover
**Claude Hampton Beatty, Jr. Dunbarton	Jack Andrew Mullikin Pendleton
Ansel Ezell Blair Greenville	Walter Thompson Reeder Laurens
Doyle Bruce Bowen Pickens	*Ralph Lee Rogers Charleston
Joe Bill Campbell Inman	William Henry Ryan Elizabeth, N. J.
*John Roe Carter, Jr. Greenville	Sidney Lanier Sanders Williston
Marion Douglas Dorn Greenwood	John Walter Sherard Calhoun Falls
David Lawrence Dunn Warrentonville	Ernest Franklin Stabler North
William Fowler Pacolet Mills	Harry Augustus Lee Stribling...Anderson
*Curtis Sheridan Hogan...North Augusta	Amos Milton Terry Iva
**John David Hromi McKeesport, Pa.	Frank Moore Watkins Greenville
Richard Whitfield Hudson Sumter	William Pinckney White Greenville
William Boyd Keasler Inman	

*With honor

**With high honor

***With highest honor

Bachelor of Mechanical Engineering Degree

*Herbert Oscar Abercrombie	Central	Fred Lightsey Lancaster	Port Royal
Elbert Ray Ash	Easley	Benjamin Francis McDaniel, Jr.	Pickens
*Haywood Brandon Bagwell, Jr.	Spartanburg	Robert Lawrence McLeod, Jr.	Sumter
Robert Spilman Boston	Columbia	*William Frederick Marscher	Beaufort
George Marion Boyd, Jr.	Spartanburg	Max William Schrader	Spartanburg
Warren Russell Cousins	Newberry	Claude Finley Smith, Jr.	North Charleston
Hasting Meldrim Crapse	Estill	Harry Kenneth Smith	Spartanburg
*Gustavus McCaslan Devlin	Greenwood	Richard Durand Smith, Jr.	Belton
Joseph Dominic Dugan	Easley	***Robert Elmer Smith, Jr.	Seneca
Lowell Albert Ellison	Great Falls	*John Brown Sowell, Jr.	Asheville, N. C.
Carl Wesley Farriss	Charlotte, N. C.	Joseph Newton Todd, Jr.	Washington, D. C.
Frank McClellan Gunby, Jr.	Winchester, Mass.	Benny Leonard Vehorn	Greenville
Joe Adger Harrison	Clemson	William Robert Wade	Greenville
***Richard Milledge Hart	Tournaipull, Ga.	Willis Lindsey Walton	Ellenton
William Frederick Hunsuck	Whitney	Ralph Eugene Way	St. George
John Smith Jenkins, Jr.	Gastonia, N. C.	Mack Willis White, Jr.	Charlotte, N. C.
James Karl Johnson	Clinton	Floyan Kirby Yarbrough	Caroleen, N. C.

SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Chemistry*

Arthur William Bloxham	Lyman	William Luther Mathias	Lexington
Roy Harold Boggs	Anderson	James Lee Neal	Fort Mill
Thomas Carter	Langley	Harry Hasting Tyler, Jr.	Aiken
*Thomas LaVerne Howle, Jr.	Florence		

Textile Engineering

George Asnip, Jr.	Greenville	Tyrus Odell Jones	Newberry
George Terrell Bailey, Jr.	Greenville	David Lane Lee	Fort Mill
*Thomas Page Bobo	Greenville	Harold Lumley, Jr.	Greenwood
Robert Rowley Bowen	Greenville	Gordon M. Lupo, Jr.	Charlotte, N. C.
James Henry Carroll	Anderson	John Bush McClain	Inman
Harold McGee Cooper	Greenville	Doyle Edward Rochester	Seneca
Reginald Wayne Crouch	Greenville	Forest De Witt Suggs, Jr.	Anderson
Robert Graham Friar	Montmorenci	Robert Willard Westmoreland	Greenville
Don McWade Garren	Greenville	Clarence Francis Williams, Jr.	Orangeburg
Rollie Gatlin Hanna, Jr.	Bennettsville	Ansel Lamar Wood	Newberry
James Dunlap Hazle	Woodruff		
Mohammed Hafiz-ul Islam	Rajshahi, East Pakistan		

Textile Manufacturing

*Billy Ray Adams	Anderson	Crawford Harding Garren	Calhoun, Ga.
*James Richard Anderson	Elmhurst, Ill.	Joe Belton Garrett	Woodruff
Robert Donald Ballenger	Charlotte, N. C.	George Tazewell Patton Genet	Georgetown
Sorrells Borroughs Ballenger, Jr.	Chattanooga, Tenn.	Wylie Lyman Hamrick	Gaffney
Edward Wallace Barnett, Jr.	Great Falls	Robert Henry Heinbockel	Manhasset, N. Y.
*Roy Franklin Barrett	Simpsonville	Robert Andrew Hicks, Jr.	Gastonia, N. C.
Horace J. Bearden	Cliffside, N. C.	Fred DeWitt Hill	Spartanburg
*Herman Ernest Bright	Laurens	Isaac Donald Hopper	Chester
*Hal Ebert Brockmann	Charlotte, N. C.	Charles Eston Huff, Jr.	Woodruff
Isaac Warren Bryant	Inman	James Dorroh Jones	Fort Mill
Wilbur Clayton Burnett	Johnston	James Homer Jones, Jr.	Spartanburg
Lewis Vernon Chalmers	Greenwood	Wade Hundley Kennette	Lyman
John Benjamin Cothran	Sandy Springs	Charles LoRaine Langston	Hartsville
William Burton Cox, Jr.	Greenville	Raymon Earl Lark	Greenville
John Earle Dent	Columbia	Don Loftis Latham	Iva
George Gregg Douglass	Winnaboro	Robert Culpepper Laughlin	Florence
Broadus Allen Duncan	Six Mile	Thomas Gadsden McClure, Jr.	Anderson
Ray Adger Earnhardt	Spartanburg	Daniel Webster McCoy	Hurt, Va.
John William Evans	Sumter	Peter Hewitt McCravy	Spartanburg
James Marshall Farmer	Anderson	Thomas Edward Mack	Union
Quay Hood Fellers	Prosperity	Clyde Lewis Miller, Jr.	Greenville
Joe Edward Fendley	Westminster		
Jack Wesley Gaillard	Walhalla		

*With honor

**With high honor

***With highest honor

Textile Manufacturing (Con't.)

John William Miller	Greenville	Virgil B. Simpson	Clinton
Leondis Clayton Mixon	Aiken	Benjamin Mendel Smith	Columbia
Albert Harvey Morrison	Great Falls	Herman Long Smith	Conover, N. C.
Charles Lawton Pace	Marion	Charles Daniel Stewart	Clemson
Curtis Jackson Parrott, Jr.	York	Berlyn Keasler Sutton	Greenville
John Marvin Quinn	Inman	William Franklin Thomas ..	Calhoun Falls
Perry Ray Rice	Anderson	William Melton Tisdale	Sumter
Leonard Riddle	Greenville	Burton Ullnick	Paterson, N. J.
George Craddock Ridenhour ..	Greenville	Ariel Edwin Warrick ..	Old Hickory, Tenn.
Bernie Robin	Asheville, N. C.	Herbert Smith West	Union
Carl Richard Rogers	Drayton	*William Douglas Windsor ..	Pell City, Ala.
Morris Lee Roof	Chester		

Professional Degree of Mechanical Engineer

Joseph Albert Warren, Jr. Pittsburgh, Pa.

MASTERS' DEGREES CONFERRED JUNE 4, 1950

SCHOOL OF ARTS AND SCIENCES

*Master of Science Degree**Physics*

James Robert Jacques Ware Shoals Leon Haynsworth Robinson, Jr. Greenville

SCHOOL OF CHEMISTRY

*Master of Science Degree**Organic Chemistry*

Arthur Aaron Aronson, Jr. Raleigh, N. C.

SCHOOL OF EDUCATION

*Master of Science Degree**Education*Lois Virginia Watkins Patrick .. Clemson Lillian Carolina Probst Walhalla |

Vocational Agricultural Education

Leonard Darrell Reynolds Timmons ville |

SCHOOL OF ENGINEERING

Master of Mechanical Engineering Degree

Roland Lewis Allen, Jr. Greenville Bevan Wood Brown, Jr. Starr

BACHELORS' DEGREES CONFERRED AUGUST 12, 1950

SCHOOL OF AGRICULTURE

Bachelor of Science Degree

Agriculture—Agricultural Economics Major

Harold Alexander Douglass, Jr. Columbia Wilfred Sease Kearse Yorges Island
Leigh Hugh Hammond Seneca |

Agriculture—Agronomy Major

Albert Coleman Altman .. Galivants Ferry Harold Carmichael Rogers Dillon || John Price Harley | Trenton | Charlie Betha Ware, Jr. | Due West |
| William Wesley Lynn, Jr. | Filbert | | |

Agriculture—Animal Husbandry Major

Norman Elton Davis Mullins | *Burton Gilman Maxfield | Hodges || Kenneth Earl Lewis | Mullins | Roy Edwin Pittman | Dillon |
| Ray Elliott McLin | Ridgeland | Arthur Augustus Schlock .. | Westminster |

Agriculture—Dairy Major

D. C. Price Gaffney | Calhoun H. Strickland .. | Oakboro, N. C. |

Agriculture—Horticulture Major

John Hulan Bowen Westminster | Thomas Craig Keith | Pickens || Frederick Charles Gilbert, Jr. | Newberry | | |

*With honor

Agricultural Engineering

John Durst Arrington, Jr. --	Ninety Six	Hugh Farley Longshore, Jr. --	Newberry
Charles Glendon Bradley		Charles Edgar Springs, Jr. -----	Loris
-----	Forest City, N. C.	Harold Grey Till -----	Orangeburg
Robert Du Pree Donovan		*Harvey Howell Wheless, Jr.	
-----	Birmingham, Ala.	-----	Thomasston, Ga.
Frank Olin Haselden -----	Scranton		

SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

William Vincent Costello ---	Georgetown	James Thomas Reynolds--	Johnstown, Pa.
George Joseph Facchin -----	Anderson	Bennett Bryant Smith -----	Easley
Walter Nicholas Gnann -----	Ridgeland	John Dargan Wells -----	Sumter
Charles Milton Kennemore, Jr.-----	Easley	Roland Jackson Whitmire, Jr.	
Jack Bolt Lesley -----	Easley	-----	Asheville, N. C.
Isaac Newton Patterson, Jr. ---	Clemson		

Industrial Physics

Thomas Mathew Chovan -----	Bethlehem, Pa.
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Pre-Medicine

Russell Carlton Ashmore, Jr.---	Greenville	Davis Oscar Heniford, Jr. -----	Loris
Jesse Le Grand Bozard -----	Orangeburg	Robert Martin Hoffmann --	Fountain Inn
Clarence Kidwell Brutcher			
-----	Savannah, Ga.		

SCHOOL OF CHEMISTRY

*Bachelor of Science Degree**Chemistry*

Marion Otis Brunson -----	Estill
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SCHOOL OF EDUCATION

*Bachelor of Science Degree**Education*

James Homer Parker, Jr. -----	Norris
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Industrial Education

Laurens Ryan Andrews -----	Elliott	Bernard Jenkins Novit -----	Charleston
Walter Boyd Gregg -----	Kingstree	*John Frank Varner -----	Ashland, Ga.
Clarence Earl Loftis -----	Liberty		

Vocational Agricultural Education

Billy Robert Anderson ----	Timmons ville	*Julian Creed Hammond -----	Aiken
James Robert Childress -----	Six Mile	Robert Lee Love --	Hendersonville, N. C.
Benjamin David Clark -----	Johnston	John Edwin Mosteller -----	Gaffney
Robert Peter Cooper, Jr. -----	Andrews	James Robert Nicholson, Jr.---	Westminster
Robert Ben Culp, Jr. ---	Waxhaw, N. C.	William Amasa Peay -----	Pageland
Harold Truesdale Hall -----	Bethune	Cyril McKiver Rozier -----	Lake View
Turner Correll Hall --	Mount Ulla, N. C.	Raymond Franklin Taylor -----	Gilbert

SCHOOL OF ENGINEERING

*Bachelor of Science Degree**Architectural Engineering*

Edward Plato Edney, Jr.---	Asheville, N. C.	Ralph Winter Jones, Jr. ---	Spartanburg
Robert Samuel Gaddis -----	Taylors		

Architecture

James Michael Cates, Jr.---	Savannah, Ga.	Charles Benson Smith -----	Gaffney
Mason Boardman Mackenzie --	Charleston	George Frederick Yecko --	McDonald, Pa.
Harrison John Schouest, Jr.---	Marrero, La.		

Bachelor of Chemical Engineering Degree

Howard Graham Daniel--	Charlotte, N. C.	Robert Spencer Owens, Jr. -----	Clinton
William Harold Mintz ---	Heath Springs		

*With honor

Bachelor of Civil Engineering Degree

Marion Mobley Cornwell, Jr.	Fort Myers, Fla.	Allen Bedell Pellett	Greenville
James Edward Cox	Decatur, Ga.	James Howard Prince	Abbeville
Samuel Evan Hodge	Georgetown	Lyles William Sanders	Spartanburg
		John Paul Uldrick	Donalds

Bachelor of Electrical Engineering Degree

Thomas Mathew Chovan	Bethlehem, Pa.	Ben Evan McLeod, Jr.	Georgetown
Thames William Jamison	Trenton		

Bachelor of Mechanical Engineering Degree

Edward Ralph Baker	Great Falls	Charles Henry Heins	Charleston
Joseph William Blythe, Jr.	Pelzer	Joseph David Jones	Marietta
John Daniel Calhoun	Ringgold, Ga.	Ray Leslie Jones	Glenn Springs
Albert Leclerc Chalker	South Orange, N. J.	*William Bleckley Karst	Greenville
James Augustus Davenport	Germantown, Tenn.	James Howard Sheffler	Niles, Ohio
John Wesley Deas	Rock Hill	John Addison Stevenson	Sumter
Robert Louis DeLoach	Beaufort	Arnold Thomas Stokes	Greer
Harold Ashley Head, Jr.	Orlando, Fla.	Dan David Stroud	Lyman
		George Davis Ware	Iva

SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Chemistry*

Jack Andrew Ingle	Asheville, N. C.	Guy Nicholas Thompson, Jr.	Langley
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Textile Engineering

Herbert Dewey Stroud, Jr.	Richland	William Lindsay Wylie	Winnsboro
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Textile Manufacturing

Floyd Varner Aiken, Jr.	Langley	Robert Leonard Gregg, Jr.	Asheville, N. C.
Billie Maxwell Alexander	Lyman	Edwin Donald Jones	Greer
***Henry Grady Allison, Jr.	Gaffney	Lloyd Adger Knight	Greenville
William Henry Ballinger	Troy	Benjamin Sams Lancaster	Jonesville
Rae E. Barnes	Rutherfordton, N. C.	Charles William Shain ..	Paterson, N. J.
James Edward Brumley	Greenville	Charles Bickley Stone	Williamston
Carl Eugene Carson, Jr.	Union	John Carlton Thompson ..	Honea Path
William Kenneth Clark	Walhalla	Samuel Marsh Willis	Greenwood
Charles Edgar Davis	Greenwood	Wallace Lynn Wilson	Williamston
Roy Everett Davis	Fountain Inn		
William Walter DeLoach	Columbia		

MASTERS' DEGREES CONFERRED AUGUST 12, 1950

SCHOOL OF AGRICULTURE

*Master of Science Degree**Agricultural Economics*

Clyas Lee Crenshaw	Pendleton	Gale Hubert Lyon ..	Lumberport, W. Va.
Earle LaBruce Knight	Andrews	Morris Vernon Seigler	Walhalla

SCHOOL OF ARTS AND SCIENCES

*Master of Science Degree**Physics*

Ray N. Cauble	Salisbury, N. C.
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SCHOOL OF EDUCATION

*Master of Science Degree**Vocational Agricultural Education*

Elisha Monroe Rallings	Pageland
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SCHOOL OF ENGINEERING

Master of Electrical Engineering Degree

Morris Wiley Jones	Clemson
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*With honor

***With highest honor

GRADUATES OF 1950 BY MAJOR COURSES

SCHOOL OF AGRICULTURE (INCLUDING DOUBLE MAJORS)	154
Agricultural Economics	14
Agricultural Engineering	44*
Agronomy	24
Animal Husbandry	46
Dairy	7
Entomology	5
Horticulture	11
Poultry	3**
SCHOOL OF ARTS AND SCIENCES (INCLUDING DOUBLE MAJOR)	87
Arts and Sciences	54
Industrial Physics	15***
Pre-Medicine	18
SCHOOL OF CHEMISTRY	6
Chemistry	6
SCHOOL OF EDUCATION (INCLUDING DOUBLE MAJOR)	76
Education	7
Industrial Education	26
Vocational Agricultural Education	43**
SCHOOL OF ENGINEERING (INCLUDING DOUBLE MAJORS)	239
Architectural Engineering	22****
Architecture (4-Year)	36****
Chemical Engineering	11
Civil Engineering	47*
Electrical Engineering	51***
Mechanical Engineering	72
SCHOOL OF TEXTILES	216
Textile Chemistry	12
Textile Engineering	45
Textile Manufacturing	159
TOTAL GRADUATES OF 1950 (EXCLUDING DUPLICATES)	773

*Includes one student who was graduated both in Agricultural Engineering and Civil Engineering.

**Includes one student who was graduated both in Poultry and Vocational Agricultural Education.

***Includes one student who was graduated both in Industrial Physics and Electrical Engineering.

****Includes two students who were graduated both in Architectural Engineering and Architecture.

TOTAL GRADUATES BY MAJOR COURSES 1896-1950

Major Course	Total	Major Course	Total
Agriculture	244	Electrical Engineering	859
Agriculture and Animal Industry	80	Engineering Industrial Education	70
Agriculture and Chemistry	69	Entomology	121
Agricultural Chemistry	99	Forestry	8
Agricultural Economics	161	General Science	359
Agricultural Education	197	Horticulture	314
Agricultural Engineering	220	Industrial Education	153
Agronomy	556	Industrial Physics	29
Animal Husbandry	347	Mechanical Engineering	669
Architectural Engineering	38	Mechanical and Electrical Engineering	489
Architecture	281	Poultry	4
Arts and Sciences	276	Pre-Medicine	133
Bachelor of Science	3	Soils	9
Botany	11	Textile Chemistry	189
Chemical Engineering	73	Textile Engineering	890
Chemistry	244	Textile Industrial Education	85
Chemistry and Geology	11	Textile Manufacturing	280
Chemistry-Engineering	43	Veterinary Science	16
Civil Engineering	769	Vocational Agricultural Education	550
Dairy	241	Weaving and Designing	42
Education	30		

Double Majors

Agricultural Chemistry and Arts and Sciences	1
Agricultural Chemistry and General Science	1
Agricultural Economics and Animal Husbandry	1
Agricultural Economics and Vocational Agricultural Education	1
Agricultural Engineering and Civil Engineering	1
Agronomy and Vocational Agricultural Education	2
Animal Husbandry and Vocational Agricultural Education	4
Animal Husbandry and Agricultural Education	3
Animal Husbandry and Dairy	2
Architecture and Architectural Engineering	11
Architecture, four-year, and Architecture, five-year	1
Arts and Sciences and Agricultural Economics	1
Chemical Engineering and Chemistry and Chemistry-Engineering	3
Chemical Engineering and Chemistry-Engineering	1
Chemistry and Chemical Engineering	1
Chemistry and Chemistry-Engineering	1
Chemistry and General Science	1
Chemistry and Industrial Physics	1
Chemistry and Agricultural Chemistry	1
Civil Engineering and Chemistry and Geology	2
Electrical Engineering and Industrial Physics	1
Electrical Engineering and Mechanical Engineering	16
Electrical Engineering and Textile Engineering	1
General Science and Education	1
General Science and Electrical Engineering	1
Horticulture and Agronomy	1
Horticulture and Architectural Engineering	1
Poultry and Vocational Agricultural Education	1
Pre-Medicine and Textile Chemistry	1
Textile Engineering and Mechanical and Electrical Engineering	1
Textile Engineering and Textile Industrial Education	1
Textile Engineering and Textile Manufacturing	1
Textile Engineering and Weaving and Designing	1
Total Graduates from 1896 through 1950	9330

LIST OF STUDENTS, 1950 NINE-WEEKS SUMMER TERM

JUNE 12-AUGUST 11

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry; Pre-Vet-Pre Veterinary; A&S-Arts and Sciences, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; Ed-Education, Ind Ed-Industrial Education, VAE-Vocational Agricultural Education; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Cr En-Ceramic Engineering, Ch En-Chemical Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering, TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing.

New students admitted in June, 1950 are indicated by an asterisk (*).

Name and Course	Address	Name and Course	Address
Abbott, J. R. (2 ME)	Walhalla	Barron, M. A. (Unc)	Seneca
Ackerman, C. L. (3 A&S)	St. George	Barton, T. E. (2 Ed)	Lancaster
Adams, L. C. (G EE)	Saluda	Bass, F. J. (1 Pre-Med)	Mullin
Adams, W. A. (Unc)	Seneca	Bates, C. L. (2 Arch)	Charlotte, N. C.
Addabbo, D. L. (2 Cr En)	New York, N. Y.	Bates, S. W. (4 EE)	Naval Base
Addis, L. G. (4 TM)	Walhalla	Bawkum, D. F. (Unc)	Pelzer
Aiken, F. V. (4 TM)	Bath	Beach, H. F. (PG Agron)	Walterboro
Aldrich, H. E. (1 E-ME)	Anderson	Bearss, W. A. (2 Ind Ed)	Columbus, Ga.
Alexander, B. M. (4 TM)	Lyman	Beattie, R. C. (2 Ar En)	Augusta, Ga.
Allen, J. L. (G Ed)	Pacolet Mills	Bebeau, E. P. (1 TC)	Schoolfield, Va.
Allen, L. R. (3 VAE)	Kings Creek	Beery, T. W. (2 ME)	Pooler, Ga.
Allen, W. W. (4 Agron)	Spartanburg	Bell, R. R. (2 Ind. Ed)	Pelzer
Allison, H. G. (4 TM)	Gaffney	Benenhaley, H. (1 VAE)	Bishopville
Allison, W. H. (1 E-EE)	Greenville	Benjaminson, V. B. (1 A-Dairy)*	York, Pa.
Altman, A. C. (4 Agron)	Galivants Ferry	Bennett, A. C. (1 A-AH)	Duncan
Anderson, B. G. (2 A&S)	Travelers Rest	Bennett, R. J. (2 VAE)	Union
Anderson, B. R. (4 VAE)	Timmons ville	Benton, P. L. (2 A)	Timmons ville
Anderson, R. B. (G Ag Ec)	Sleepy Eye, Minn.	Berry, B. C. (4 Ag Ec)	Johnston
Andrews, L. R. (4 Ind. Ed)	Elliott	Berry, E. B. (3 TM)	Pendleton
Arnold, C. (Unc)	Seneca	Berry, W. W. (3 A&S)	Greenville
Arnold, J. J. (Unc)	Seneca	Bickers, J. R. (G Ag Ec)	Enslie
Arrington, J. D. (4 Ag En)	Ninety Six	Bigby, M. E. (G Ed)	Clemson
Asbury, R. R. (2 TE)	Taylors	Bishop, H. E. (4 Cr En)	Inma
Ashley, R. H. (4 Ed)	Iva	Bishop, J. H. (1 TM)	Ware Shoal
Ashmore, R. C. (4 Pre-Med)	Greenville	Bissell, A. A. (4 TE)	Spartanburg
Ashton, J. P. (3 TE)	Philadelphia, Pa.	Black, B. R. (3 TM)	Union
Askins, S. E. (3 Ed)	Kingstree	Black, J. M. (4 TM)	Anderson
Auld, I. D. (3 VAE)	Mt. Pleasant	Blackwelder, H. V. (3 Arch)	Clinton
Bagwell, M. F. (Unc)		Blackwell, H. E. (2 TM)	Gaffney
Bailey, C. H. (3 EE)	Allendale	Blackwell, J. B. (2 Ag En)	Landrum
Bailey, C. K. (3 TE)	Lockhart	Blair, E. W. (1 E-CE)	Spartanburg
Bailey, L. A. (Unc)	Seneca	Blakely, W. M. (1 E-EE)	Simpsonville
Bailey, R. B. (4 TM)	Clemson	Bloxham, H. C. (4 TM)	Lyma
Bailey, T. A. (2 A-AH)	Naval Base	Blum, O. J. (1 E-TE)*	Abbeville
Baker, E. R. (4 ME)	Great Falls	Blythe, E. K. (3 EE)	Charleston
Baker, L. O. (1 A)*	Marietta	Blythe, J. W. (4 ME)	Pelzer
Baker, M. C. (1 VAE)	Harleyville	Bodde, W. J. (2 ME)	Anderson
Ballenger, S. H. (G)	Walhalla	Boggs, R. D. (2 A-Poul)	Centra
Ballentine, T. F. (1 E-ME)	Blythewood	Bolt, F. (2 EE)	Gray Court
Barksdale, C. B. (1 E-EE)	Greenwood	Bolt, R. S. (1 E-CE)	Gray Court
Barnes, R. E. (4 TM)	Rutherfordton, N. C.	Boone, C. F. (2 TM)	Orangeburg
Barnett, J. T. (4 Arch)	Memphis, Tenn.	Bowen, J. H. (4 Hort)	Westminster
Barnhill, B. G. (1 TC)	Gaffney	Bowen, R. A. (3 TE)	Belts
Barrett, G. M. (3 TM)	Atlanta, Ga.	Bowers, J. H. (4 Pre-Med)	Walhalla

Name and Course	Address	Name and Course	Address
Bowman, E. H. (1 E-TE)	Clover	Chandler, A. S. (2 Arch)	Greensboro, N. C.
Boyd, J. H. (2 TE)	York	Chapman, W. F. (1 Pre-Vet)	Belton
Boykin, T. O. (4 Ind Ed)	Camden	Chason, M. L. (3 VAE)	Cairo, Ga.
Bozard, J. L. (4 Pre-Med)	Orangeburg	Chastain, J. D. (4 VAE)	Taylors
Bradberry, R. C. (1 E-EE)	Athens, Ga.	Cheek, F. L. (3 Poul)	Honea Path
Bradham, P. C. (4 Ar En)	Sumter	Childress, J. R. (4 VAE)	Six Mile
Bradley, C. G. (4 Ag En)	Forest City, N. C.	Chovan, T. M. (4 EE & Ind Phys)	
Bradley, W. F. (3 TM)	North Charleston		Bethlehem, Pa.
Bramlette, J. M. (1 TM)	Laurens	Christenbury, J. W. (4 TM)	Charlotte, N. C.
Brett, D. J. (4 TM)	New York, N. Y.	Christopher, J. B. (3 Ind Ed)	Central
Brinson, H. E. (4 CE)	Savannah Beach, Ga.	Clanton, J. C. (3 A&S)	Charlotte, N. C.
Brock, D. H. (2 EE)	Anderson	Clardy, W. W. (4 A&S)	Arlington, Va.
Brock, R. S. (1 E-TE)*	Honea Path	Clark, B. D. (4 VAE)	Johnston
Brockenbrough, G. B. (1 E-Ag En)*	Kinards	Clark, E. W. (2 TM)	Lexington
Brockman, H. L. (4 TM)	Westminster	Clark, H. H. (1 E-TE)	Greenville
Brown, J. T. (3 Agron)	Manning	Clark, W. K. (4 TM)	Walhalla
Brown, G. W. (4 A&S)	Darlington	Clark, W. S. (Unc)	Great Falls
Brown, J. M. (PG A&S)	Mountain Rest	Clarkin, J. R. (3 Ar En)	Charleston
Brown, L. E. (3 CE)	Starr	Clayton, L. A. (2 TM)	Greer
Brown, R. C. (2 VAE)	Townville	Cleland, C. H. (4 ME)	Ridgeland
Brown, R. S. (4 TM)	Clemson	Clemons, J. T. (1 A&S)*	Kershaw
Brumley, J. E. (4 TM)	Greenville	Clevenger, C. W. (2 ME)	Piedmont
Bruner, G. E. (G Chem)	Clemson	Clinkscales, H. S. (4 VAE)	Starr
Brunson, J. D. (1 E-Ag En)	Manning	Coarsey, R. W. (2 A-Dairy)	Asheville, N. C.
Brunson, J. W. (3 AH)	Sumter	Cochran, P. (2 Ag En)	East Point, Ga.
Brunson, M. O. (4 Chem)	Estill	Cochran, W. T. (3 TE)	Greenville
Brutcher, C. K. (4 Pre-Med)	Savannah, Ga.	Cofer, C. M. (4 Ag En)	Charlotte, N. C.
Bryant, E. R. (4 VAE)	Pacolet	Cole, T. W. (1 E-ME)	Kershaw
Bryant, H. O. (4 TM)	Liberty	Coleman, C. E. (3 TC)	Anderson
Bryson, J. W. (3 EE)	Lyman	Coleman, L. D. (1 A)*	Columbia
Buchanan, J. W. (2 TM)	Newberry	Coleman, W. R. (4 CE)	Saluda
Buck, H. S. (3 TC)	Edgemoor	Collier, E. P. (2 VAE)	Harleyville
Burley, D. H. (3 Ch En)	Clemson	Collins, M. A. (2 Ind Ed)	Walhalla
Burley, M. M. (3 Ind Ed)	Spartanburg	Compton, C. J. (3 ME)	Hartsville
Burns, R. D. (1 VAE)	McCormick	Cone, F. (3 VAE)	Coosada, Ala.
Burns, W. H. (G Ag Ec)	Clemson	Conte, A. L. (4 ME)	Central
Burroughs, J. B. (1 E-CE)*	Augusta, Ga.	Cook, J. C. (Unc)	Clemson
Burton, C. J. (2 ME)	Westminster	Cook, V. A. (Unc)	Clemson
Butler, E. J. (1 A)	Lexington	Cook, J. W. (3 EE)	Easley
Byars, E. F. (Unc)	Clemson	Cooler, D. B. (3 TM)	Plantersville
Cain, H. (Unc)	Tamassee	Cooper, J. B. (1 E-CE)	Gray Court
Calder, J. R. (1 A-AH)	Mullins	Cooper, R. P. (4 VAE)	Andrews
Caldwell, G. C. (3 ME)	Willow Grove, Pa.	Cornwell, M. M. (4 CE)	Fort Myers, Fla.
Calhoun, C. C. (1 TM)*	Greenville	Costello, W. V. (4 A&S)	Georgetown
Calhoun, J. D. (4 ME)	Ringgold, Ga.	Courtenay, St. J. (4 TE)	Greenville
Calvert, J. H. (3 TM)	Spartanburg	Courtney, R. O. (4 CE)	Johnston
Calvert, T. E. (2 TM)	Honea Path	Covington, D. H. (2 Pre-Med)	
Campbell, D. H. (4 TM)	Edgefield		Burnsville, N. C.
Campbell, E. (1 A-AH)	Dillon	Cowan, R. L. (Unc)	Clemson
Campbell, J. G. (1 E-ME)	Greenville	Coward, V. L. (2 ME)	Calhoun Falls
Campbell, M. V. (Unc)	Clemson	Cox, J. E. (4 CE)	Decatur, Ga.
Campbell, W. L. (4 TM)	Edgefield	Cox, J. M. (4 Arch)	Kingsport, Tenn.
Cannada, R. L. (3 TM)	Taylors	Cox, R. O. (3 A)	Woodruff
Cannon, R. B. (1 Arch)	Spartanburg	Craig, M. A. (4 TE)	Clover
Carpenter, D. O. (3 TE)	Newberry	Crane, W. T. (4 EE)	Savannah, Ga.
Carpenter, W. E. (3 TE)	Graniteville	Crawford, W. D. (3 TM)	Winnboro
Carr, W. G. (3 Ch En)	Union	Creech, H. L. (4 Dairy & Poul)	Olar
Carroll, C. R. (4 A&S)	Blackville	Creighton, J. H. (2 ME)	Buffalo
Carson, C. E. (4 TM)	Union	Crenshaw, C. L. (G Ag Ec)	Pendleton
Carson, S. G. (1 Ind Ed)	Central	Crenshaw, P. W. (2 CE)	Westminster
Carter, C. A. (3 ME)	Rock Hill	Crenshaw, T. N. (1 A)	La France
Cash, C. D. (3 ME)	Philadelphia, Pa.	Croke, T. M. (4 CE)	Philadelphia, Pa.
Caskey, F. (Unc)	Clemson	Cromer, C. D. (2 VAE)	Kinards
Cason, C. R. (2 Cr En)	Walhalla	Culbreth, F. H. (1 A-Hort)	Campobello
Cassidy, W. B. (3 TM)	Hartsville	Culeclasure, L. W. (1 TM)*	Winnboro
Castles, T. P. (4 AH)	Columbia	Culp, R. B. (4 VAE)	Waxhaw, N. C.
Cates, J. M. (4 Arch)	Savannah, Ga.	Culp, T. W. (4 Agron)	Fort Mill
Cates, J. W. (4 ME)	Seneca	Cunningham, W. J. (1 A-Hort)*	Lancaster
Catheart, R. (Unc)	Anderson	Cutchin, J. T. (2 ME)	Portsmouth, Va.
Catote, R. J. (1 A&S)*	Kershaw	Dabney, F. D. (2 TM)	Rock Hill
Chalker, A. L. (4 ME)	South Orange, N. J.	Daniel, H. G. (4 Ch En)	Charlotte, N. C.
Chambers, J. E. (4 ME)	Piedmont	Darby, O. L. (1 E-EE)	Honea Path
Chambers, R. W. (3 Ch En)	Hayesville, N. C.	Davenport, C. F. (1 E-ME)	Greenville
Chamness, W. B. (3 Arch)	Bennettsville	Davenport, J. A. (4 ME)	Germantown, Tenn.

Name and Course	Address	Name and Course	Address
Davis, B. W. (4 TM)	Greenville	Freret, W. A. (1 Arch)	Decatur, Ga.
Davis, C. E. (4 TM)	Greenwood	Friar, J. S. (3 ME)	Montmorenci
Davis, N. E. (4 AH)	Mullins	Fridde, W. J. (2 TM)	Greenville
Davis, R. E. (4 TM)	Fountain Inn	Fry, L. H. (2 ME)	Cochran, Ga.
Davis, R. S. (4 TM)	South Boston, Va.	Fulmer, J. P. (2 A-Hort)	Augusta, Ga.
Dawkins, J. R. (3 TE)	Prosperity	Fulmer, J. S. (4 A&S)	Saluda
Deanhardt, L. C. (4 TM)	Belton	Funderburk, E. R. (1 A-Dairy)*	Lancaster
Deas, J. W. (4 ME)	Rock Hill	Gabriel, N. R. (4 Ar En)	Memphis, Tenn.
Deason, F. P. (4 TM)	McCormick	Gaddis, R. S. (4 Ar En)	Taylors
DeLoach, G. E. (4 TM)	Beaufort	Gailey, C. W. (4 TM)	Anderson
DeLoach, R. L. (4 ME)	Beaufort	Gale, A. D. (3 CE)	Brunswick, Ga.
DeLoach, W. W. (4 TM)	Columbia	Gambrell, H. L. (3 TM)	Pendleton
Demosthenes, H. J. (3 Arch)	Beaufort	Gambrell, H. M. (4 Ag En)	Owings
Dempsey, C. L. (3 ME)	Naval Base	Gandy, V. (3 AH)	Florence
Derrick, J. C. (2 Chem)	Walhalla	Gardner, J. M. (2 Ind Ed)	Hartsville
Dey, W. H. (3 ME)	Jacksonville, Fla.	Garren, J. W. (2 Arch)	Spartanburg
Dickson, G. L. (1 E-ME)	Greenwood	Garrett, A. (Unc)	Six Mile
Dickson, J. F. (4 Ag En)	Rock Hill	Garrett, J. E. (3 ME)	Orangeburg
DiMucci, D. M. (2 Ed)	McKeesport, Pa.	Garrett, J. S. (1 A&S)	Six Mile
Dixon, W. L. (4 EE)	Sumter	Garrett, O. S. (3 Ind Ed)	Greenville
Dohar, E. J. (2 CE)	Wattsville	Garrison, J. B. (2 A)	Greenville
Donelon, J. M. (G)	Clemson	Garrison, J. E. (1 A)	Rock Hill
Donovan, R. D. (4 Ag En)	Birmingham, Ala.	Garrison, R. L. (1 TM)	Pelzer
Dorn, R. E. (1 E-EE)	Greenwood	Gaston, G. L. (3 Arch)	Blacksburg
Douglass, C. R. (1 E-CE)	Reidsville, N. C.	Geiger, M. H. (1 E-Ag En)*	McColl
Douglass, H. A. (4 Ag Ec)	Columbia	Gerrald, J. E. (3 Agron)	Galivants Ferry
Drake, J. R. (Unc)	Belton	Gibson, C. R. (3 TM)	Westminster
DuBose, C. R. (4 Ind Ed)	Ellenton	Gibson, R. H. (4 CE)	Waynesville, N. C.
Duckworth, R. M. (4 Ar En)	Westminster	Gilbert, F. C. (4 Hort)	Newberry
Duke, G. S. (Unc)	Westminster	Giles, F. S. (Unc)	Seneca
Duke, L. R. (1 A-Agron)	Kingstree	Gillespie, M. R. (2 A&S)	Norris
Dukes, E. O. (1 TM)	North Augusta	Gilmore, J. A. (1 E-Ag En)	Santuck
Dumas, A. L. (4 TE)	Rockmart, Ga.	Gilmore, J. H. (Unc)	
Duncan, H. H. (3 EE)	Anderson	Ginn, J. P. (1 A-AH)	Varnville
Duncan, J. H. (1 Chem)	Charleston	Gnann, W. N. (4 A&S)	Savannah, Ga.
Duncan, R. M. (4 ME)	Union	Godfrey, C. H. (3 ME)	Florence
Dunn, J. H. (3 ME)	Augusta, Ga.	Godwin, C. L. (1 VAE)	Summerton
DuPre, W. M. (G-Dairy)	Clemson	Godwin, J. E. (3 Ind Ed)	Montauk Point, N. Y.
Durgin, T. L. (1 A)	Washington, D. C.	Goforth, C. C. (3 VAE)	Gaffney
Earle, J. B. (1 Pre-Med)	Walhalla	Gordon, J. C. (3 EE)	Liberty
Earle, J. E. (2 Ag En)	Anderson	Graham, J. R. (4 VAE)	Imman
Earle, J. W. (1 E-ME)*	Anderson	Grainger, H. J. (1 A-AH)	Tabor City, N. C.
Earle, W. B. (Unc)	Walhalla	Greenan, J. A. (3 EE)	Philadelphia, Pa.
Eason, H. L. (3 AH)	Sumter	Gregg, J. M. (2 A&S)	Hemingway
Edney, E. P. (4 Ar En)	Charleston	Gregg, R. L. (4 TM)	Asheville, N. C.
Edwards, A. W. (1 A-Agron)	Greenville	Gregg, W. A. (2 TM)	Clearwater
Ehrhardt, H. S. (4 Pre-Med)	Ehrhardt	Gregory, J. W. (4 Agron)	Union
Elder, M. H. (2 Ag En)	Atlanta, Ga.	Griffin, B. L. (3 EE)	Central
Eleazer, G. W. (4 TM)	Columbia	Griffith, W. A. (3 TM)	Lancaster
Eleazer, P. E. (1 E-EE)*	Pelion	Grist, W. L. (4 TM)	York
Elliott, W. H. (3 A H)	Summerville	Groves, W. F. (1 Arch)	Naval Base
Ellis, D. H. (4 EE)	Spartanburg	Gulledge, L. M. (3 Ag Ec)	Wedgetfield
Ellis, L. D. (1 Pre-Med)	Aiken	Gurney, W. A. (2 Arch)	Charleston
Ellison, C. H. (2 EE)	Spartanburg	Haddon, F. M. (3 TM)	Anderson
Ellison, W. S. (1 E-EE)	Seneca	Hagan, J. D. (2 TM)	Union
Elrod, B. R. (1 A-AH)	Piedmont	Hair, J. T. (1 E-TE)	Aiken
Estes, B. G. (3 TC)	Ware Shoals	Hall, B. B. (3 A&S)	Mt. Pleasant
Evans, C. D. (G Ag Ec)	Clemson	Hall, C. E. (3 EE)	Anderson
Evans, C. H. (3 EE)	North Charleston	Hall, C. L. (1 E-CE)	Greenville
Evans, M. L. (1 A)	Lake City	Hall, H. T. (4 VAE)	Bethune
Evans, W. D. (3 Agron)	Kingstree	Hallmark, G. D. (Unc)	Clemson
Falle, F. J. (1 Ed)	Kershaw	Hamilton, C. H. (4 TM)	Atlanta, Ga.
Fant, C. E. (Unc)	Seneca	Hamilton, E. H. (4 ME)	Seneca
Fennell, C. A. (2 VAE)	Chester	Hamilton, J. H. (3 Ag En)	Fort Mill
Ferguson, T. C. (4 EE)	Greenville	Hamilton, W. R. (3 CE)	Durham, N. C.
Fletcher, H. W. (1 E-EE)	McColl	Hammett, T. B. (2 A-Agron)	Imman
Folk, E. W. (3 Ch En)	Simpsonville	Hammett, W. K. (3 TC)	Imman
Fort, A. H. (G Ed)	Anderson	Hammond, G. F. (4 VAE)	Seneca
Foster, H. B. (3 Hort)	Chesnee	Hammond, J. C. (4 VAE)	Aiker
Foster, T. D. (2 Chem)	Spartanburg	Hammond, L. H. (4 Ag Ec)	Seneca
Fowler, W. C. (4 Ar En)	Columbia	Hampton, C. O. (3 ME)	Lockhart
Fraisor, J. (2 EE)	Whitmir	Hance, C. W. (1 A-AH)	Heath Springs
Franklin, M. S. (3 TM)	Aiken	Hancock, A. B. (3 TM)	Ruby
Freeman, C. B. (2 Ind Phys)	Westminster	Hancock, H. (3 Hort)	Ruby

Name and Course	Address	Name and Course	Address
Hanks, F. L. (2 EE)	Anderson	Hunter, M. P. (3 AH)	Lanford
Harbin, W. H. (2 ME)	Seneca	Hunter, R. J. (1 A-Dairy)*	Lancaster
Hardman, G. (1 E-EE)	Warner Robins, Ga.	Iler, C. B. (1 TM)	Greenville
Hardwick, J. C. (3 AH)	Conway	Ingram, H. W. (2 ME)	Rockingham, N. C.
Hardy, G. L. (1 E-Ag En)	Johnston	Inman, G. A. (1 A-Ent)	Columbia
Harley, J. P. (4 Agron)	Trenton	Isenhour, E. F. (1 E-CE)	Newton, N. C.
Harling, W. W. (1 Pre-Med)	Simpsonville	Isenhour, G. R. (3 TM)	Hickory, N. C.
Harrill, B. H. (4 ME)	Bennettsville	Islam, M. H. (G TC)	Pakistan, India
Harris, J. E. (3 TE)	Greenwood	Jackson, S. L. (2 A-Dairy)	Tabor City, N. C.
Harris, M. B. (1 A-Dairy)	Anderson	Jackson, W. F. (2 Arch)	Rock Hill
Harrison, M. M. (G VAE)	Pelzer	Jamison, T. W. (4 EE)	Trenton
Hart, K. R. (1 TC)	Rock Hill	Jeffords, C. Q. (4 ME)	Florence
Hasell, A. H. (1 Pre-Med)	Columbia	Jeffords, T. H. (3 AH)	Florence
Hatcher, C. R. (2 EE)	Graniteville	Jenkins, A. C. (3 Agron)	Clemson
Hauser, G. T. (2 TM)	Caldwell, N. J.	Jernigan, R. A. (Unc)	Tabor City, N. C.
Hawkins, T. R. (2 A-Dairy)	Greenwood	Johns, G. J. (3 EE)	Pittsburgh, Pa.
Hawthorne, J. A. (1 E-ME)	Pittsburgh, Pa.	Johnson, H. J. (2 EE)	Darlington
Hayden, J. L. (3 AH)	Walterboro	Johnson, L. C. (1 Pre-Med)	Charleston
Hayes, R. D. (3 Ent)	Pickens	Johnson, R. N. (2 CE)	Marion
Hayes, W. C. (3 TM)	Travelers Rest	Jones, D. M. (3 Agron)	Glenn Springs
Haynie, G. W. (1 TM)	Belton	Jones, E. D. (4 TM)	Greer
Haynie, H. A. (4 TM)	Anderson	Jones, G. W. (4 TM)	Bishopville
Head, H. A. (4 ME)	Orlando, Fla.	Jones, J. D. (4 ME)	Marietta
Heins, C. H. (4 ME)	Charleston	Jones, M. W. (G-EE)	Clemson
Hendrix, J. H. (3 CE)	Shelby, N. C.	Jones, R. L. (4 ME)	Pauline
Heniford, D. O. (4 Pre-Med)	Loris	Jones, R. W. (4 Ar En)	Spartanburg
Herbert, A. M. (1 E-EE)	Orangeburg	Jordan, H. A. (3 Agron)	Hartsville
Herbert, A. R. (1 TM)	Bamberg	Joyce, H. S. (4 Ag En)	Stoneville, N. C.
Heron, T. G. (3 EE)	Parr	Joyner, R. S. (G VAE)	Ward
Herring, J. W. (4 A&S)	Spartanburg	Karst, W. B. (4 ME)	Greenville
Hester, F. T. (2 TM)	Greenville	Kea, H. M. (2 A-AH)	Rocky Ford, Ga.
Hester, T. E. (1 A&S)	Pickens	Kearse, W. S. (4 Ag Ec)	Yonges Island
Heyer, J. L. (2 A-Agron)	Butler, Pa.	Keasler, R. L. (3 TM)	Westminster
Hicks, B. D. (4 TM)	Anderson	Keith, T. C. (4 Hort)	Pickens
Hicks, M. D. (Unc)	Westminster	Kelley, H. A. (Unc)	Anderson
Hiers, H. F. (1 Pre-For)	Charleston	Kendra, F. S. (3 EE)	Ford City, Pa.
Hiers, J. E. (2 A-Agron)	Ehrhardt	Kennemore, C. M. (4 A&S)	Easley
Higginbotham, W. C. (1 TM)*	Rowesville	Kennette, G. L. (2 TM)	Wellford
High, R. E. (3 TM)	Little River	Kerr, W. E. (2 VAE)	Pineville, N. C.
Hill, K. F. (1 VAE)	Pelzer	Kinard, W. J. (1 E-Ag En)	Smoaks
Hill, R. L. (4 EE)	Anderson	King, F. D. (1 TM)	Seneca
Hinson, J. F. (3 ME)	Lynchburg	King, L. C. (1 TM)	West Columbia
Hittinger, E. M. (3 EE)	Weatherly, Pa.	King, L. O. (3 Ar En)	Anderson
Hodge, S. E. (4 CE)	Georgetown	King, M. J. (3 A&S)	Belton
Hoffmann, R. M. (4 Pre-Med)	Fountain Inn	King, T. A. (2 TM)	Anderson
Holcombe, B. F. (2 ME)	Central	Kirby, W. M. (4 TM)	Laurens
Holcombe, M. W. (1 E-EE)	Central	Kiser, J. R. (1 TM)	Cherokee Falls
Holleman, M. (Unc)	Seneca	Knight, A. M. (1 E-EE)	Simpsonville
Holleman, S. (G Ed)	Seneca	Knight, E. L. (G Ag Ec)	Andrews
Holley, E. E. (3 AH)	Aiken	Knight, L. A. (4 TM)	Greenville
Holmes, J. C. (2 VAE)	Conway	Knoebel, F. W. (3 TM)	West Orange, N. J.
Holmes, W. G. (1 E-TE)*	Danville, Va.	Kozlow, A. (3 ME)	Philadelphia, Pa.
Holt, J. E. (2 ME)	Sellers	Kytile, H. W. (1 TM)	La France
Holt, W. D. (1 Ed)	Jacksonville, Fla.	Laffoday, W. C. (4 A&S)	Lamar
Hook, L. J. (1 E)*	Columbia	Lancaster, B. S. (4 TM)	Jonesville
Hooper, J. B. (3 TM)	Anderson	Land, J. E. (3 ME)	Buffalo
Horne, B. S. (3 A&S)	Charleston	LaRoche, J. J. (2 ME)	Charleston
Horne, C. C. (4 EE)	Loris	Lawrence, J. R. (1 Ar En)	Greenville
Hornick, F. J. (3 VAE)	Fair Play	Lay, C. W. (2 Ag En)	West Union
Howard, R. I. (1 TM)	Greenwood	Leach, J. D. (1 Ar En)	Blacksburg
Howard, R. S. (2 Pre-Med)	Albany, Ga.	Leavy, C. F. (4 CE)	Brunswick, Ga.
Howell, J. I. (4 Pre-Med)		Lee, G. A. (Unc)	Walhalla
Hudgens, J. M. (4 EE)	Laurens	Lehman, J. H. (1 VAE)	Montreal, Canada
Hudson, H. A. (4 VAE)	Walhalla	Lemmon, O. C. (2 A-AH)	Latta
Hudson, J. C. (1 Ed)	North Charleston	Leopard, E. M. (4 TM)	Woodruff
Hudson, R. W. (2 Ed)	North Charleston	Lesley, J. B. (4 A&S)	Easley
Huffman, J. L. (3 VAE)	Newberry	Lever, O. R. (4 A&S)	Naval Base
Huggin, C. B. (2 VAE)	Gaffney	Lewis, H. W. (2 A-Dairy)	Yonkers, N. Y.
Huggins, T. E. (1 E-EE)	Hemingway	Lewis, K. E. (4 AH)	Mullins
Hughes, H. W. (2 Ar En)	Martinez, Ga.	Lewis, R. S. (4 ME)	Washington, D. C.
Huguley, B. L. (3 Ed)	McCormick	Liebenrood, A. E. (3 AH)	Mt. Pleasant
Huiet, W. C. (3 VAE)	Johnston	Ligon, C. L. (1 E-ME)	Heath Springs
Hulon, H. E. (3 TM)	Union	Lindsay, J. B. (4 Arch)	Clemson
Humphrey, S. W. (1 E-Ag En)*	Bethune	Lindsay, J. D. (1 A-Agron)	Clemson

Name and Course	Address	Name and Course	Address
Lindsay, R. J. (2 TM)	Clemson	Martin, T. H. (2 EE)	Greenville
Lindsey, F. M. (2 CE)	Pendleton	Mason, H. D. (3 Agron)	Westminste
Lipton, J. J. (4 Pre-Med)	Beaufort	Mason, Z. T. (2 VAE)	Manning
Littlejohn, C. E. (G)	Clemson	Massey, A. D. (G Ed)	Libert
Littlejohn, L. S. (2 VAE)	Greenville	Massey, C. R. (2 CE)	Walhall
Livingston, J. P. (1 A-Agron)	Springfield	Mathis, E. H. (2 A-Ag Ec)	Columbia
Lockman, W. D. (3 ME)	Chesnee	Mauldin, J. E. (4 CE)	Anderson
Loftis, C. E. (4 Ind Ed)	Pickens	Maxfield, B. G. (4 AH)	Hodge
Long, C. W. (3 TE)	Conway	Mays, K. W. (2 TM)	Columbia
Long, J. S. (1 E-TE)	Piedmont	Medlin, E. W. (4 AH)	Hartsville
Long, R. M. (4 TM)	Edgmoor	Melnik, J. (1 TM)	Brooklyn, N. Y.
Longshore, H. F. (4 Ag En)	Newberry	Melnik, W. G. (4 Ar En)	Brooklyn, N. Y.
Lorelle, R. R. (2 A-AH)	Brooklyn, N. Y.	Mercer, W. E. (3 CE)	McClellanville
Love, H. G. (PG Arch)	Columbia	Merchant, V. E. (4 Pre-Med)	Barnwel
Love, R. L. (4 VAE)	Hendersonville, N. C.	Meredith, J. R. (4 VAE)	Seneca
Lovelace, O. F. (3 Dairy)	Prosperity	Merians, S. (2 TM)	Oxford, N. J.
Lucas, C. C. (1 A)	Gaston	Messervy, L. W. (2 EE)	North Charleston
Lumkin, J. (Unc)	Westminster	Michael, M. G. (4 TC)	Linwood, N. C.
Lusk, J. A. (4 Arch)	Johnson City, Tenn.	Miller, B. I. (2 EE)	Honea Pat
Lyda, H. R. (2 VAE)	Edneyville, N. C.	Miller, S. J. (2 CE)	Belter
Lynes, R. M. (PG ME)	Durham, N. C.	Milne, W. (PG Arch)	East Lansing, Mich.
Lyon, G. H. (G Ag Ec)	Lumberport, W. Va.	Minton, R. H. (2 ME)	Mountainside, N. J.
Lytle, W. A. (1 Chem)	Tyrone, Pa.	Mintz, W. H. (4 Ch En)	Sandy Springs
McBride, L. M. (4 EE)	Parkersburg, N. C.	Mitchell, R. T. (1 E-TE)*	Greenville
McCachern, J. G. (1 E-EE)	Concord, N. C.	Mixon, L. J. (2 ME)	Dundee, Fla.
McCall, H. E. (3 AH)	Hendersonville, N. C.	Mize, L. (2 EE)	Walhall
McCauley, H. R. (1 E-Ag En)	Greenville	Moore, D. W. (1 TM)	Greenville
McCauley, W. H. (1 E-ME)	Greenville	Moore, J. L. (1 A-AH)	Calhoun, Ga.
McClure, F. A. (4 EE)	Varnville	Moore, J. T. (2 EE)	Union
McCommas, J. A. (4 AH)	Elizabethtown, N. C.	Moore, J. W. (3 ME)	Columbia, Ga.
McConnell, H. E. (3 EE)	Piedmont	Moore, M. S. (2 A)	Charleston
McCormick, L. S. (3 EE)	Orangeburg	Moore, W. E. (1 Arch)	Charleston
McCraith, C. R. (3 Arch)	Columbia	Moore, W. L. (2 TE)	Pendleton
McCulloch, J. I. (3 TM)	Gaffney	Morgan, H. E. (4 Ind Ed)	Salisbury, N. C.
McCullough, T. A. (1 E-TE)	Hendersonville, N. C.	Morick, K. F. (4 EE)	Kenilworth, N. J.
McCurry, T. M. (4 Ch En)	Anderson	Morrah, J. E. (1 E-ME)	Greensboro, N. C.
McCutcheon, W. G. (3 VAE)	Bishopville	Morris, A. R. (3 AH)	Ola
McDonald, H. M. (3 Agron)	Hartsville	Morris, H. C. (1 A-AH)	Ola
McDonald, M. E. (2 CE)	Ashburn, Ga.	Morris, J. C. (4 Ar En)	Spartanburg
McDonald, W. A. (4 Arch)	Johnson City, Tenn.	Morton, E. F. (2 CE)	Lancaster
McElroy, E. (2 EE)	Seneca	Moseley, B. P. (1 E-EE)	Abbeville
McFalls, D. L. (4 Ind Phys)	Cliffside, N. C.	Mosteller, J. E. (4 VAE)	Gaffney
McGregor, D. D. (3 CE)	Chesterfield	Muckenfuss, A. A. (2 CE)	Florence
McGregor, W. H. D. (4 A&S)	Greenville	Mullin, B. J. (4 VAE)	Chadbourne, N. C.
McKinney, D. L. (3 TM)	Spartanburg	Munn, N. R. (3 VAE)	Awendaw
McKinney, R. B. (4 TM)	Pickens	Murphy, C. L. (2 ME)	Anderson
McKinney, S. J. (3 ME)	Greenville	Murphy, E. J. (3 CE)	Augusta, Ga.
McKinnon, C. L. (2 TM)	Cheraw	Murphy, H. G. (1 E-EE)	Cambridge, Md.
McLaurin, J. F. (4 Pre-Med)	Bennettsville	Murray, E. S. (1 TM)	Cleveland
McLean, N. M. (2 A-AH)	Orangeburg	Myers, J. C. (4 TM)	Westminste
McLees, J. H. (1 Pre-For)	Greenville	Neely, C. E. (2 EE)	Charlotte, N. C.
McLendon, C. R. (3 A&S)	Columbus, Ga.	Nelson, A. (Unc)	Philadelphia, Pa.
McLeod, B. E. (4 EE)	Georgetown	Nelson, V. W. (3 Ar En)	Columbia
McLin, R. E. (4 AH)	Ridgeland	Newman, G. W. (2 EE)	Columbia
McMeekin, T. C. (3 Dairy)	Glenside, Pa.	Newsome, W. E. (1 Pre-Med)	Sandersville, Ga.
McMillan, H. C. (3 Ar En)	Spartanburg	Newton, C. G. (PG AH)	Myrtle Beach
McMillan, T. W. (2 TM)	Central	Newton, P. B. (3 A&S)	Dillon
McMullan, J. H. (4 Ag En)	Cornelia, Ga.	Newton, R. R. (1 E-EE)	Gibson, N. C.
McNair, S. M. (2 A-Dairy)	Hartsville	Nichols, C. M. (3 CE)	Leesville
McWhite, J. R. (1 Arch)	Sumter	Nicholson, J. R. (4 VAE)	Westminste
MacDonald, P. F. (3 EE)	Charleston	Nolte, F. E. (2 Ag En)	Charleston
MacK, J. H. (4 Arch)	Garnett	Norton, R. E. (4 Ar En)	Florence
MacMillan, B. W. (1 A&S)	Charleston	Novit, B. J. (4 Ind Ed)	Charleston
Madden, M. W. (Unc)	Clemson	Novell, J. G. (2 TM)	Charleston
Major, J. E. (2 Pre-Med)	Pahokee, Fla.	Nuckols, J. N. (3 TM)	Westminste
Mangrum, W. C. (2 A)	Franklin, Tenn.	Nunnery, T. W. (3 Ag En)	Edgmoor
Manning, W. M. (4 Agron)	Columbia	O'Dell, G. D. (2 A-Dairy)	Easley
Manos, J. P. (2 Ed)	Brooklyn, N. Y.	O'Dell, W. T. (G Dairy)	Easley
Marett, J. D. (2 VAE)	Greenville	O'Diarr, W. E. (1 E-ME)	Canton, N. C.
Marett, J. R. (Unc)	Tamassee	Ollivet, D. C. (1 E-CE)*	Anderson
Martin, E. M. (4 VAE)	Sumter	O'Neal, J. S. (2 A-AH)	Blenheim
		O'Neal, R. M. (1 TM)	Anderson
		Onley, W. O. (3 ME)	Columbia

Name and Course	Address	Name and Course	Address
Ormand, J. M. (2 TM)	Thomaston, Ga.	Rodgers, J. H. (2 VAE)*	Lake City
O'Shields, J. L. (1 E-TE)	Calhoun Falls	Rogers, H. C. (4 Agron)	Dillon
Putz, M. (4 AH)	Fair Play	Rogers, R. L. (4 TM)	Pelzer
Owens, D. (2 TM)	Greenville	Rogers, S. A. (3 ME)	Mauldin
Owens, E. G. (1 Chem)*	Greenwood	Rollins, V. A. (2 TM)	Greenville
Owens, R. S. (4 Ch En)	Clinton	Roof, T. D. (1 E-ME)	Columbia
Owings, Z. H. (2 ME)	Greenwood	Rooks, S. L. (1 E-CE)*	Greenwood
Pardee, F. R. (4 TM)	Greenwood	Rose, L. E. (4 ME)	Sardinia
Parker, J. H. (4 Ed)	Norris	Rose, W. R. (1 TM)	Timmonsville
Parker, J. W. (3 Cr En)	Savannah, Ga.	Rowe, H. B. (1 A-Dairy)	Hartsville
Parker, Z. M. (Unc)	Clemson	Rozier, C. M. (4 VAE)	Lake View
Parnell, J. P. (3 TM)	Calhoun Falls	Russell, R. C. (1 E-Ag En)	Bonneau
Parsons, B. W. (4 ME)	Rock Hill	Rye, C. L. (3 EE)	Columbia
Pate, O. H. (2 Ar En)	Bishopville	Salley, J. R. (G Chem)	Clemson
Patterson, J. R. (1 VAE)	Campobello	Sanders, C. B. (4 TM)	Anderson
Pattson, R. E. (3 TM)	Fountain Inn	Sanders, J. D. (2 CE)	Blacksburg
Pausinger, S. B. (4 Ind Ed)	Ninety Six	Sanders, L. W. (4 CE)	Spartanburg
Pay, W. A. (4 VAE)	Pageland	Sanders, W. D. (4 TM)	Anderson
Pellett, A. B. (4 CE)	Greenville	Sarracino, J. J. (2 Ed)	Anderson
Peppers, C. H. (3 Pre-Med)	Taylors	Sarratt, J. H. (4 Agron)	Gaffney
Perkins, D. B. (4 EE)	Savannah, Ga.	Saverance, J. R. (1 E-Ag En)	Cheraw
Perry, W. J. (3 Arch)	Timmonsville	Schaufelberger, A. H. (4 A&S)	East Islip, N. Y.
Peska, S. F. (2 EE)	Conshocken, Pa.	Schlock, A. A. (4 AH)	Westminster
Peterman, M. (3 EE)	Macon, Ga.	Schouest, H. J. (4 Arch)	Harvey, La.
Peters, C. D. (2 CE)	North	Schrader, E. D. (4 TM)	Spartanburg
Picardat, G. P. (2 Ag En)	Petersburg, Va.	Schroder, W. J. (3 TM)	West Union
Pinekey, H. T. (1 Pre-For)	Pritchardville	Scott, E. B. (G EE)	Clemson
Pinekey, T. C. (1 A-AH)*	Ridgeland	Scott, R. C. (Unc)	Pendleton
Pinson, J. T. (3 TE)	Anderson	Seago, B. M. (4 TE)	Vaclause
Pitts, P. Z. (2 CE)	Savannah, Ga.	Sease, F. D. (4 Agron)	Ehrhardt
Punkett, R. W. (Unc)	Clemson	Sease, J. (1 A-AH)	Ehrhardt
Plyler, C. D. (4 Ind Ed)	Lancaster	Sefick, R. P. (Unc)	Clemson
Plyler, J. N. (2 Ind Ed)	Lancaster	Seigler, M. V. (G Ag Ec)	Walhalla
Plyler, N. W. (1 A&S)	Lancaster	Senn, H. B. (1 A-AH)	Inman
Poe, J. W. (1 Ar En)	Charleston	Sessions, J. F. (1 A-Ent)	Myrtle Beach
Popolos, P. J. (1 Ar En)	Spartanburg	Shain, C. W. (4 TM)	Paterson, N. J.
Pope, J. M. (2 TM)	Naval Base	Shaw, R. E. (4 TM)	Greenville
Poston, R. L. (1 A)	Hyman	Shealy, H. L. (3 Hort)	Batesburg
Powell, C. (Unc)	Walhalla	Shealy, P. S. (G Ag Ec)	Batesburg
Preacher, R. B. (2 A-AH)	Ridgeland	Shealy, R. N. (3 TM)	Columbia
Price, D. C. (4 Dairy)	Gaffney	Sheffler, J. H. (4 ME)	Niles, Ohio
Pridgeon, H. L. (3 Ar En)	Spartanburg	Sheider, A. L. (2 TE)	Hendersonville, N. C.
Priester, D. K. (1 Pre-Med)	Hampton	Shelley, F. E. (1 VAE)	Aynor
Prince, J. H. (4 CE)	Abbeville	Shelton, J. W. (1 E-ME)*	Greenville
Prigdale, V. A. (2 Ed)	Washington, D. C.	Sheppard, J. A. (1 TM)	Waynesboro, Ga.
Pugsley, L. M. (2 CE)	Honea Path	Sherard, S. (2 EE)	Toccoa, Ga.
Raines, H. M. (2 A-AH)	Mountain Rest	Sheriff, B. C. (3 VAE)	Martin, Ga.
Raines, W. G. (3 TM)	Greenville	Shirley, J. H. (3 EE)	Gaffney
Ramsey, W. W. (2 ME)	Easley	Shirley, J. R. (2 TM)	Greenville
Ramsay, J. O. (1 E-CE)	Monetta	Shirley, J. T. (1 A-AH)	Seneca
Ramsay, L. W. (1 E-CE)*	Summerville	Shivers, R. P. (1 Ed)	Griffin, Ga.
Randall, N. A. (1 TC)	Decatur	Shockley, J. A. (4 ME)	Falls Church, Va.
Rea, L. M. (3 VAE)	Matthews, N. C.	Sholar, J. O. (1 E-TE)	Columbia
Reddick, C. E. (4 TM)	Sardis, Ga.	Shoolbred, R. A. (3 CE)	Eastover
Reed, W. H. (4 CE)	Savannah, Ga.	Shugart, W. H. (3 VAE)	Walhalla
Reid, J. H. (1 Ar En)	Sumter	Simpson, G. J. (1 Ch En)	Easley
Reid, T. P. (1 A&S)	Walhalla	Simpson, R. E. (4 VAE)	Lancaster
Reynolds, J. T. (4 A&S)	Johnstown, Pa.	Skelton, B. R. (Unc)	Clemson
Rhea, M. R. (4 EE)	Naval Base	Skelton, R. R. (4 TM)	Atlanta, Ga.
Rice, M. A. (4 Ar En)	Rock Hill	Skinner, C. F. (4 TM)	Woodruff
Richardson, H. C. (3 TM)	Greenville	Slaten, H. W. (3 Ind Ed)	Williamston
Riechbourg, M. N. (4 Pre-Med)	Orangeburg	Slatery, J. G. (2 TE)	Greenville
Riddle, B. R. (2 CE)	Kannapolis, N. C.	Slone, A. R. (G Chem)	Pendleton
Riggins, W. R. (3 EE)	Easley	Small, D. E. (3 VAE)	Davidson, N. C.
Rikard, J. C. (1 TM)	Rock Hill	Small, R. D. (2 TM)	Concord, N. C.
Ringer, A. W. (3 EE)	Newberry	Smith, B. B. (4 A&S)	Easley
Rion, R. G. (3 TC)	Hartsville	Smith, B. C. (2 CE)	Greenwood
Ritter, M. W. (4 Ag En)	Hickory, N. C.	Smith, C. B. (4 Arch)	Gaffney
Rivers, J. (2 Ag En)	Charleston	Smith, D. W. (2 VAE)	Edgefield
Roneh, W. R. (1 E-TE)	Greenville	Smith, E. T. (1 Pre-Med)	Branchville
Roberts, E. W. (4 TE)	Ninety Six	Smith, I. (G VAE)	Central
Roberts, J. V. (3 TM)	Rutherfordton, N. C.	Smith, J. D. (3 Ag En)	West Union
Robinson, S. W. (G Phys)	Clemson	Smith, J. L. (2 A-AH)	Hawkinsville, Ga.
Robchester, J. R. (4 A&S)	Greenville		

Name and Course	Address	Name and Course	Address
Smith, J. W. (4 Hort)	Lancaster	Tyler, H. K. (2 ME)	Hampton, Va.
Smith, M. C. (PG VAE)	East Point, Ga.	Tyson, S. D. (2 Ag En)	Lumberton, N. C.
Smith, R. E. (3 Agron)	Mullins	Uldrick, J. P. (4 CE)	Donalds
Smith, R. W. (2 EE)	Anderson	VanderSchans, P. A. (3 Arch)	Glen Ridge, N. J.
Smith, St. C. B. (3 TM)	Swannanoa, N. C.	Van Eseltine, M. (Unc)	Clemson
Snead, J. D. (3 TM)	Seneca	Vanner, J. F. (4 Ind Ed)	Ashland, Ga.
Snipes, H. B. (1 E-CE)	Anderson	Vassy, T. M. (1 TM)	Gaffney
Snyder, P. (2 CE)	Spruce Pine, N. C.	Vaughan, O. H. (4 ME)	Seneca
Southerlin, R. C. (1 Ind Ed)	Marietta	Veal, C. D. (4 ME)	Cedartown, Ga.
Sox, H. W. (2 TM)	West Columbia	Veale, J. C. (1 Ar En)	Savannah, Ga.
Spring, C. E. (4 Ag En)	Loris	Von Glahn, E. H. (3 Arch)	Charleston
Stanley, W. J. (1 TM)	Lancaster	Wade, B. T. (Unc)	
Stansell, G. T. (2 ME)	Westminster	Walters, D. M. (3 CE)	Salisbury, N. C.
Steele, E. L. (3 Chem)	Harrisonburg, Va.	Walters, H. R. (1 Arch)	St. George
Steele, R. H. (3 Ag Ec)	Mars Hill, N. C.	Walters, J. F. (1 E-CE)	Mullins
Stevens, H. E. (2 VAE)	Conway	Ward, J. A. (1 TM)	Jackson, Tenn.
Stevenson, J. A. (4 ME)	Sumter	Ward, R. D. (3 Ag Ec)	Chester
Stewart, J. R. (4 TE)	Clemson	Ward, T. (4 Ch En)	McClellanville
Stewart, R. S. (2 VAE)	Fountain Inn	Ware, C. B. (4 Agron)	Due West
Stoddard, L. C. (3 VAE)	Fountain Inn	Ware, G. D. (4 ME)	Iva
Stokes, A. T. (4 ME)	Greer	Ware, M. T. (4 EE)	Iva
Stone, C. B. (4 TM)	Williamston	Warman, L. L. (2 A-Ag Ec)	Danville, Ind.
Storey, B. A. (1 E-CE)*	Monetta	Washington, E. B. (1 A&S)*	Clemson
Stover, F. R. (3 VAE)	Kershaw	Washington, M. (Unc)	Clemson
Stover, L. M. (3 VAE)	Kershaw	Waters, J. D. (4 TM)	Johnston
Strickland, C. H. (4 Dairy)	Oakboro, N. C.	Watkins, C. B. (3 CE)	Augusta, Ga.
Stroud, H. D. (4 TE)	Richland	Watkins, C. E. (1 E-Ag En)	Westminster
Suddeth, J. A. (G Phys)	Clemson	Watkins, W. Y. (2 Ed)	Ware Shoals
Swett, J. A. (3 Poul)	Dunbarton	Watt, E. B. (PG Arch)	Hartsville
Swittenberg, R. L. (2 A&S)	Anderson	Watt, F. L. (3 TM)	Pelzer
Swords, P. E. (1 Pre-Med)*	Liberty	Webb, L. W. (1 A-AH)	Ridgeland
Tankersley, C. E. (3 EE)	Augusta, Ga.	Weedon, C. H. (3 Chem)	Rutherfordton, N. C.
Tanner, J. P. (3 AH)	Hemingway	Weekley, L. C. (1 A-AH)	Varnville
Tarrant, W. B. (3 ME)	Columbia	Weeks, P. H. (4 Ag En)	Aiken
Tate, J. M. (4 AH)	Gaffney	Weill, S. B. (3 CE)	Chesnee
Taylor, C. B. (2 TM)	Lancaster	Weldon, R. D. (3 TM)	Charleston
Taylor, C. C. (G Ag Ec)	Greenville	Wells, J. D. (4 A&S)	Sumter
Taylor, C. E. (1 E-TE)	Kershaw	Wells, L. R. (1 E-CE)	Orangeburg
Taylor, G. W. (2 TM)	Pelzer	Welsh, F. M. (PG TE&ME)	Abbeville
Taylor, K. Z. (2 Ind Ed)	Liberty	Welsh, W. T. (3 ME)	Anderson
Taylor, R. F. (4 VAE)	Gilbert	Wendell, H. P. (3 TM)	Long Beach, N. Y.
Taylor, R. O. (1 E-TE)	Kershaw	West, H. E. (2 EE)	Cedartown, Ga.
Taylor, W. F. (4 TC)	Charleston	Wheelon, J. W. (1 E-ME)	Edneyville, N. C.
Tedder, J. B. (4 Ag En)	Cherryville, N. C.	Whelless, H. H. (4 Ag En)	Thomaston, Ga.
Temple, W. W. (3 TM)	Level Land	White, D. N. (1 E-TE)	Clover
Terry, J. E. (3 VAE)	Iva	White, J. C. (2 Ind Ed)	Imma
Thayer, W. B. (2 ME)	Spartanburg	White, P. A. (Unc)	Fountain Inn
Thelen, H. M. (2 EE)	Greenwood	White, R. H. (2 ME)	Charlotte, N. C.
Thomas, C. T. (2 CE)	Walhalla	Whitehead, C. J. (3 TM)	Greenville
Thompson, G. N. (4 TC)	Langley	Whitlaw, J. L. (4 ME)	North Augusta
Thompson, J. C. (4 TM)	Honea Path	Whitmire, R. J. (4 A&S)	Asheville, N. C.
Thompson, J. T. (3 EE)	Charlotte, N. C.	Wickham, F. M. (1 TM)	Westminster
Thompson, O. N. (4 A&S)	Columbia	Wiggins, R. D. (Unc)	
Thompson, R. L. (Unc)	Anderson	Wiggins, R. L. (1 E-CE)	Mullins
Thompson, W. L. (3 TC)	Belton	Wigington, J. R. (1 A)	East
Thompson, W. W. (2 TE)	Pauline	Wiley, H. S. (3 ME)	McCormick
Thornton, G. E. (1 E-EE)*	Anderson	Wilhite, B. S. (Unc)	Clemson
Tice, N. R. (3 TM)	Brooklyn, N. Y.	Wilkes, C. V. (1 VAE)	Norwell
Till, H. G. (4 Ag En)	Orangeburg	Wilkins, H. O. (3 ME)	Germantown, Tenn.
Timmerman, W. B. (1 E-ME)	Clearwater	Williams, D. B. (3 Ag Ec)	Clemson
Tinsley, S. W. (3 Ag Ec)	Spartanburg	Williams, G. M. (Unc)	Clemson
Tommie, W. J. (2 Pre-Med)	Mountville	Williams, J. F. (G Chem)	York
Toomey, W. G. (2 A-Agron)	Mount Holly, N. C.	Williams, V. M. (1 TM)	Woodruff
Torgeson, S. A. (3 ME)	Charlotte, N. C.	Williams, W. W. (Unc)	Moncks Corn
Townsend, H. D. (1 TM)	Laurens	Williamson, C. E. (1 TM)	La Fayette
Turnbleston, W. E. (1 A-AH)	Summerville	Willis, S. M. (4 TM)	Greenville
Turnage, L. W. (4 ME)	Hartsville	Wilson, J. C. (4 EE)	Greenville
Turner, H. E. (4 Arch)	Greenville	Wilson, R. G. (3 EE)	Greenville
Turner, M. J. (1 E-EE)	Gaffney	Wilson, R. L. (1 Ed)	Wampanoag
Turner, M. N. (4 TM)	Spartanburg	Wilson, T. C. (3 ME)	Greenville
Turner, T. P. (4 Ar En)	Gaffney	Wilson, W. L. (4 TM)	Williams
Tuten, C. M. (2 ME)	Varnville	Wingard, R. D. (3 AH)	Lexington
Tuten, J. M. (2 Ind Phys)	Greenville		

Name and Course	Address	Name and Course	Address
Wise, K. C. (4 TM) -----	Prosperity	Wright, J. A. (1 E-EE) -----	Belton
Withers, R. F. (1 Ar En) -----	Charleston	Wright, M. B. (3 Agron) --	Fair Bluff, N. C.
Witherspoon, J. M. (1 A) -----	Gable	Wylie, J. T. (1 TM) -----	Blacksburg
Wofford, C. R. (2 Ag En)* -----	Spartanburg	Wylie, W. L. (4 TE) -----	Winnsboro
Wolfe, E. C. (4 Agron) -----	Inman	Wylie, W. O. (4 TM) -----	Chester
Wolfe, G. A. (4 VAE) -----	Inman	Yecko, G. F. (4 Arch) -----	McDonald, Pa.
Wood, J. R. (3 TM) -----	York	Yelton, T. L. (2 TC) -----	Forest City, N. C.
Woodward, N. E. (3 Ag En) -----	Aiken	York, C. O. (3 Ar En) -----	Charlotte, N. C.
Woollen, C. L. (4 ME) -----	Atlanta, Ga.	York, E. G. (1 E-EE) -----	La France
Worley, J. L. (1 E-Ag En) -----	Windsor	Zatcoff, A. (3 TM) -----	Philadelphia, Pa.
Worth, H. P. (4 TE) -----	Greenville	Zeigler, O. E. (Unc) -----	Anderson
Worth, W. T. (2 TM) -----	Greenville		

*NUMBER OF CLEMSON STUDENTS MAJORING IN EACH CURRICULUM
1950 NINE-WEEKS SUMMER TERM

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Pre-Veterinary	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Education	Industrial Education	Vocational Agricultural Education	Architectural Engineering	Architecture
Senior -----	32	14	0	0	19	1	12	1	2	9	24	12	11
Junior -----	33	4	0	0	8	0	1	2	3	5	18	3	8
Sophomore -----	27	11	0	0	4	2	4	2	7	7	16	3	5
Freshman -----	40	12	3	1	8	0	10	3	5	2	9	7	6
Postgraduate -----													
Graduate -----													
Unclassified -----													
Total -----	137	41	3	1	39	3	27	8	16	23	67	28	30

Classification	Ceramic Engineering	Chemical Engineering	Civil Engineering	Electrical Engineering	Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Postgraduate	Graduate	Unclassified	Enrollment by Classes
Senior -----	1	5	15	18	33	7	10	60				282
Junior -----	1	4	12	25	25	8	10	41				216
Sophomore -----	2	0	17	20	24	1	7	29				188
Freshman -----	0	1	16	22	17	4	15	30				211
Postgraduate -----									13			13
Graduate -----										34		34
Unclassified -----											4	4
Total -----	4	10	60	85	99	14	42	160	13	34	4	948

*This summary does not include 41 students from other colleges who were enrolled in the 1950 nine-weeks summer term.

*ENROLLMENT OF CLEMSON STUDENTS BY COUNTIES AND STATES
1950 NINE-WEEKS SUMMER TERM

County	Total	State or Country	Total
Abbeville -----	12	Alabama -----	1
Aiken -----	21	District of Columbia -----	4
Allendale -----	1	Florida -----	6
Anderson -----	67	Georgia -----	60
Bamberg -----	9	Indiana -----	1
Barnwell -----	3	Louisiana -----	1
Beaufort -----	6	Maryland -----	1
Berkeley -----	0	Michigan -----	1
Calhoun -----	0	Minnesota -----	1
Charleston -----	41	New Jersey -----	7
Cherokee -----	24	New York -----	16
Chester -----	10	North Carolina -----	64
Chesterfield -----	6	Ohio -----	1
Clarendon -----	6	Pakistan -----	1
Colleton -----	3	Pennsylvania -----	22
Darlington -----	13	South Carolina -----	742
Dillon -----	6	Tennessee -----	9
Dorchester -----	7	Virginia -----	9
Edgefield -----	11	West Virginia -----	1
Fairfield -----	3		
Florence -----	13	Grand Total -----	948
Georgetown -----	5		
Greenville -----	80		
Greenwood -----	21		
Hampton -----	7		
Horry -----	14		
Jasper -----	6		
Kershaw -----	8		
Lancaster -----	18		
Laurens -----	13		
Lee -----	7		
Lexington -----	11		
Marion -----	9		
Marlboro -----	7		
McCormick -----	3		
Newberry -----	12		
Oconee -----	66		
Orangeburg -----	16		
Pickens -----	37		
Richland -----	24		
Saluda -----	3		
Spartanburg -----	56		
Sumter -----	16		
Union -----	14		
Williamsburg -----	8		
York -----	19		
South Carolina Total -----	742		

*This summary does not include 41 students from other colleges who were enrolled in the 1950 nine-weeks summer term.

LIST OF STUDENTS IN SPECIAL PROGRAMS 1950 SUMMER SCHOOL

Name and Course	Address	Name and Course	Address
Able, E. T. (Unc)	Abbeville	Derrick, T. V. (Unc)	Walhalla
Addis, M. B. (Unc)	Walhalla	Dillard, T. W. (G VAE)	Sharon
Aiken, R. C. (Unc)	Pickens	Divver, E. (Unc)	Anderson
Alexander, E. (Unc)	Pendleton	Doyle, I. B. (G Ed)	Seneca
Alexander, J. B. (G VAE)	St. Matthews	Dreher, J. B. (G VAE)	North
Allison, R. L. (G VAE)	Cowpens	Duke, A. C. (Unc)	Toccoa, Ga.
Anthony, T. M. (G Ed)	Pendleton	Earle, E. V. (G Ed)	Central
Arant, J. A. (Unc)	Pageland	Earle, L. P. (Unc)	Walhalla
Armstrong, L. P. (G Ed)	Seneca	Edens, D. C. (Unc)	Six Mile
Arndt, M. E. (G Ed)	Clemson	Edens, D. D. (G Ed)	Pendleton
Arve, E. M. (Unc)	Walhalla	Edens, O. V. R. (Unc)	Six Mile
Bagwell, E. D. (Unc)	Piedmont	Edwards, G. W. (G VAE)	Andrews
Baker, S. A. (Unc)	Pickens	Ellenburg, J. E. (Unc)	Spartanburg
Barker, G. L. (Unc)	Westminster	Elliott, H. M. (Unc)	Pinewood
Barton, F. L. (G VAE)	Columbia	Ellis, M. E. (Unc)	Anderson
Bellamy, O. H. (G Ed)	Florence	Elrod, A. C. (Unc)	Walhalla
Bindschedler, K. (Unc)	Clemson	Elrod, L. L. C. (Unc)	Williamston
Bishop, E. B. (G Ed)	Pendleton	Entrekinn, W. G. (G VAE)	Kernersville, N. C.
Black, J. T. (G VAE)	Greenville	Evans, L. M. (Unc)	Six Mile
Blackmon, A. F. (G Ed)	Pendleton	Evans, R. L. (Unc)	Clemson
Blackwell, B. E. (G VAE)	Duncan	Facchin, G. J. (Unc)	Anderson
Blakely, J. R. (G VAE)	Ora	Finley, E. R. (G Ed)	Seneca
Blakely, L. J. (G VAE)	Easley	Finley, G. B. (Unc)	Easley
Boggs, C. D. (G VAE)	Seneca	Fletcher, N. (Unc)	Clio
Boggs, R. V. (G VAE)	Pelzer	Fox, C. M. (Unc)	Greenville
Bolt, M. L. (Unc)	Seneca	Freeman, L. R. (Unc)	Easley
Bolt, M. W. (Unc)	Anderson	Freitag, E. R. (Unc)	Camden
Branch, J. L. (G VAE)	Tifton, Ga.	Furr, E. F. (G Ed)	Anderson
Bratton, T. J. (G VAE)	Kershaw	Gamble, M. M. (Unc)	West Columbia
Brock, A. H. (Unc)	Seneca	Gambrell, E. A. (Unc)	Walhalla
Broome, V. J. E. (Unc)	Walhalla	Gambrell, M. W. (Unc)	Anderson
Brown, E. R. (G Ed)	Anderson	Garrett, M. L. (Unc)	Columbia
Brown, G. A. (G Ed)	Anderson	Garrison, L. G. (Unc)	Anderson
Brown, J. G. (G Ind Ed)	Westminster	Gentry, B. S. (Unc)	Pelzer
Brown, R. (G Ed)	Westminster	Gillespie, M. A. (Unc)	Walhalla
Bryant, A. K. (G Ed)	Lake Placid, Fla.	Gilmore, W. F. (G Ind Ed)	Clemson
Bryant, J. G. (G VAE)	Athens, Ga.	Gilstrap, J. M. W. (Unc)	Seneca
Burdette, C. O. (Unc)	Seneca	Goff, A. L. (G VAE)	Six Mile
Burgess, E. H. (Unc)	Salem	Hall, A. S. (G Ed)	Clemson
Burris, A. K. (G Ed)	Anderson	Hall, S. H. (Unc)	Pendleton
Caldwell, T. H. (G VAE)	Hampton	Hallman, C. M. (Unc)	Hatesburg
Campbell, S. L. (Unc)	Loris	Hambricht, P. R. (G VAE)	Blacksburg
Carter, B. M. (Unc)	Westminster	Hammond, G. H. (G Ed)	Sandy Springs
Carwile, A. C. (Unc)	Abbeville	Hanks, G. P. (G Ed)	Pendleton
Chapman, W. F. (G VAE)	Belton	Harrell, R. W. (G VAE)	Columbia
Chastain, W. H. (G VAE)	Mauldin	Harris, R. T. (G VAE)	Clover
Childs, E. N. (G Ed)	Central	Harris, W. M. (G VAE)	Chester
Clark, G. L. (G Ind Ed)	Johnston	Harrison, H. H. (G Ind Ed)	Pendleton
Clayton, L. E. (G Ed)	Clemson	Harrison, M. A. (Unc)	Simpsonville
Clement, J. M. (Unc)	Pickens	Hart, F. M. (G VAE)	Landrum
Cleveland, D. D. (Unc)	Seneca	Hawkins, A. H. (G VAE)	Aiken
Cleveland, R. M. (Unc)	Seneca	Hayes, J. P. (G VAE)	Nichols
Clinton, T. F. (G VAE)	Campobello	Hayes, M. T. (Unc)	Anderson
Collins, E. J. (Unc)	Pickens	Hayes, T. W. (G VAE)	Latta
Collins, E. S. (Unc)	Seneca	Heaton, C. B. (G Ed)	Anderson
Collins, J. E. (Unc)	Pickens	Hembree, E. E. (G Ed)	Anderson
Compton, B. O. (G Ind Ed)	Sumter	Henderson, B. L. (Unc)	Pickens
Cook, O. K. (G VAE)	Cope	Hindman, C. E. (Unc)	Enoree
Cooler, C. H. (G VAE)	Jonesville	Hite, H. B. (G VAE)	Westminster
Coyne, S. (Unc)	Bronx, N. Y.	Hodges, E. B. (Unc)	Lowdesville
Craig, A. B. (Unc)	Liberty	Holland, M. (Unc)	Seneca
Craig, N. E. (G Ed)	Pendleton	Holliday, B. C. (Unc)	Central
Crane, O. F. (Unc)	Fort Mill	Holliday, L. A. (Unc)	Pickens
Creel, L. E. (G VAE)	Johnsonville	Holmes, J. S. (G VAE)	Beaufort
Crook, W. R. (Unc)	Cameron	Huckabee, L. P. (Unc)	Williamston
Crosby, L. H. (Unc)	Abbeville	Hucks, C. (Unc)	Aynor
Dalton, A. A. (Unc)	Seneca	Hutchison, W. C. (G Ed)	West Union
Danner, L. (Unc)	Georgetown	Jackson, W. O. (Unc)	Anderson
Dantzler, P. H. (G VAE)	Branchville	Jenkins, B. J. (G Ed)	Walhalla
Derrick, E. T. (Unc)	Westminster	Jones, E. H. (G VAE)	Nichols

Name and Course	Address	Name and Course	Address
Jones, R. M. (G VAE)	Pendleton	Pridgeon, M. C. (Unc)	Clemson
Kinard, G. C. (G Ed)	Walhalla	Prince, E. L. (G Ed)	Central
King, L. P. (Unc)	Westminster	Pursley, L. H. (Unc)	Salem
King, P. E. (Unc)	Jefferson, Ga.	Rabon, T. E. (Unc)	Charleston
Kitchings, J. B. (Unc)	Williston	Rallings, E. M. (G VAE)	Clemson
Knight, M. J. (G Ed)	Andrews	Rankin, H. W. (G VAE)	Lake View
Lawton, H. A. (Unc)	Michaux, Va.	Richey, E. K. (Unc)	Central
Lewis, L. B. (Unc)	Charleston	Riehle, L. H. (Unc)	Walhalla
Lewis, L. L. (G VAE)	Leesville	Roper, F. J. (Unc)	Pickens
Lindler, H. R. (G VAE)	Heath Springs	Roper, M. O. P. (Unc)	Six Mile
Long, A. W. (Unc)	Abbeville	Sanders, L. S. (G Ed)	Anderson
Lynch, W. L. (G Ed)	Seneca	Sandlin, H. W. (Unc)	Anderson
McCallum, L. H. (G VAE)	McColl	Sands, L. A. (G Ind Ed)	Brunswick, Ga.
McCreight, D. (Unc)	Ruby	Sawyer, G. W. (G VAE)	Monetta
McDavid, B. M. (G Ed)	Westminster	Schrimpf, N. M. (G Ed)	Anderson
McGarity, E. B. (Unc)	Clemson	Scott, C. M. (G Ind Ed)	Greenville
McGee, M. A. (G Ed)	Anderson	Shirley, K. R. (G Ed)	Anderson
McGee, S. E. (G Ed)	Anderson	Shyths, C. L. (Unc)	Caroleen, N. C.
McKenzie, G. S. (G VAE)	Clemson	Singletary, J. B. (G VAE)	Coward
McMahan, L. P. (Unc)	Seneca	Singleton, J. J. (G Ed)	Clemson
McPhail, F. E. (G VAE)	Blackville	Small, H. A. (G VAE)	Camden
Mann, E. S. (Unc)	Pickens	Smith, A. J. (G VAE)	McColl
Mann, J. A. (G Ed)	Lowndesville	Smith, C. R. (G Ed)	West Union
Marchbanks, A. B. (G Ed)	Anderson	Smith, J. J. (Unc)	Anderson
Martin, B. D. (Unc)	Williamston	Smith, L. F. (Unc)	Salem
Martin, L. R. (G Ed)	Pendleton	Smith, Maggie L. (G Ed)	Salem
Martin, R. F. (Unc)	Fayetteville, N. C.	Smith, Minnie L. (Unc)	Walhalla
Matheson, T. S. (Unc)	Mountain Rest	Smith, S. C. (Unc)	Easley
Matthews, W. D. (Unc)	Manning	Smith, W. W. (Unc)	Madison
Mauldin, E. E. (Unc)	Pickens	Stansel, J. M. (Unc)	Tamassee
Mauldin, W. R. (Unc)	Pickens	Steele, H. R. (Unc)	Six Mile
Maxwell, M. E. (G Ed)	Seneca	Still, A. A. (Unc)	Barnwell
Merritt, H. N. (G VAE)	Hemingway	Stoudemire, H. L. (G VAE)	Mullins
Miller, B. M. (G Ind Ed)	Clemson	Stoudemire, V. L. (G Ed)	Walhalla
Miller, M. M. (G Ed)	Anderson	Stoudemire, W. J. (G Ind Ed)	Orangeburg
Mims, B. L. (Unc)	Edgefield	Stukes, O. L. (G Ed)	Manning
Minshaw, C. T. (Unc)	Johns Island	Suber, I. M. (Unc)	Silverstreet
Moore, B. B. (Unc)	Seneca	Taylor, S. T. (Unc)	Anderson
Moore, M. A. (G Ed)	Cowpens	Thode, C. D. (Unc)	Walhalla
Morris, M. E. (Unc)	Anderson	Thompson, L. M. (Unc)	Central
Murphree, H. D. (Unc)	Pickens	Todd, J. E. (Unc)	Due West
Murphree, M. K. (Unc)	Sunset	Underwood, I. O. (Unc)	Walhalla
Murphy, H. A. (Unc)	Anderson	Varn, G. D. (Unc)	Ehrhardt
Nalley, R. F. (G VAE)	Seneca	Verner, S. F. (Unc)	Seneca
Newton, A. M. (Unc)	Liberty	Vickery, E. L. (G Ed)	Clemson
Nicholson, J. F. (G VAE)	Alamo, Ga.	Vickery, K. N. (G Ed)	Clemson
Niles, H. D. (Unc)	Camden	Waldrep, E. L. (Unc)	
Nix, R. F. (Unc)	Pickens	Ward, H. E. (Unc)	Conway
Nolan, M. P. (G VAE)	Marion	Ware, A. C. (Unc)	Liberty
Northcutt, O. M. (Unc)	Florence	Watson, G. B. (Unc)	Belmont, N. C.
O'Dell, F. A. (Unc)	Pendleton	Watson, J. C. (Unc)	Ridge Spring
Orander, A. D. (G VAE)	Easley	Webb, E. E. (G VAE)	Rome, Ga.
Owen, W. C. (G VAE)	Central	Webb, T. B. (Unc)	Bishopville
Parker, J. M. (Unc)	Easley	West, A. D. (Unc)	Anderson
Pennington, C. W. (G VAE)	Starr	Wickliffe, B. I. (G Ed)	West Union
Perry, D. C. (Unc)	Seneca	Wiggins, J. W. (Unc)	Charleston
Perry, R. A. (Unc)	Centenary	Wilds, M. C. (Unc)	Anderson
Perry, S. L. (G Ed)	Monroe, Ga.	Williams, E. W. (Unc)	Lowndesville
Pinson, J. R. (G Ind Ed)	Greenville	Williams, Y. E. (G VAE)	Salley
Pittman, S. N. (Unc)	Seneca	Winburn, J. D. (G VAE)	Chester
Pitts, M. A. (G Ed)	Seneca	Winchester, N. A. (Unc)	Sunset
Plumbees, W. H. (G VAE)	Gaffney	Woodcock, L. W. (G Ed)	Iva
Poore, Z. B. (G Ed)	Belton	Wyatt, N. O. (Unc)	Easley
Porter, O. G. (Unc)	Pickens	Wyse, J. F. (G VAE)	Johnston
Porter, V. C. (G Ind Ed)	Williston	Young, C. E. (G VAE)	Columbia
Price, C. A. (Unc)	Seneca		

TOTAL NUMBER OF STUDENTS ENROLLED IN THE 1950
SUMMER SCHOOL

TYPE OF PROGRAM	Regular Under-Graduate Clemson Students	Students of Other Colleges	Graduate Students	Unclassified Students	Total
Nine-weeks Term	910	41	34	4	989
Programs of Less than Nine Weeks	0	0	127	144	271
Total	910	41	161	148	1260

LIST OF STUDENTS, FIRST SEMESTER, 1950-1951

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry, Pre-Vet-Pre-Veterinary; A&S-Arts and Sciences, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; Ed-Education, Ind Ed-Industrial Education VAE-Vocational Agricultural Education; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Cr En-Ceramic Engineering, Ch En-Chemical Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing.

New students admitted in September, 1950, are indicated by an asterisk (*); part-time students by a dagger (†).

Name and Course	Address	Name and Course	Address
Abbott, J. R. (2 ME) -----	Walhalla	Anderson, G. B. (4 Pre-Med) -----	Chester
Abercrombie, C. F. (1 E-Ag En) -----	Tailors	Anderson, H. S. (1 A)* -----	Timmonsville
Abney, J. R. (3 Arch) -----	Phoenix, Arizona	Anderson, J. J. (2 EE) -----	Lowrys
Ackerman, C. L. (3 A&S) -----	St. George	Anderson, J. P. (1 TM) -----	Piedmont
Ackerman, C. W. (1 A-AH) -----	Cottageville	Anderson, J. W. (1 A)* -----	Timmonsville
Adams, F. W. (3 TM) -----	Laurens	Anderson, M. H. (1 A-AH) -----	Timmonsville
Adams, T. R. (1 A-AH) -----	Timmonsville	Anderson, R. B. (G Ag Ec)†-Sleepy Eye, Minn.	
Adams, W. A. (3 A&S) -----	North Charleston	Anderson, S. H. (1 A) -----	Timmonsville
Adams, W. L. (1 A)* -----	Cottageville	Anderson, S. P. (1 Ind Phys)* -----	Laurens
Adams, W. O. (1 E-Ag En)* -----	Cottageville	Anderson, T. R. (1 TM)* -----	Newberry
Addabbo, D. J. (2 Ar En) -----	New York, N. Y.	Anderson, W. D. (1 A&S) -----	Summerville
Addis, L. G. (4 TM) -----	Walhalla	Andrews, E. M. (1 E-ME)* -----	Landrum
Aiken, F. J. (4 TM) -----	Greenville	Andrews, R. C. (1 E-EE)* -----	Columbia
Aimar, L. B. (3 Arch) -----	Charleston	Andrews, W. P. (3 ME) -----	Greenville
Aimar, N. V. (2 Pre-Med) -----	Beaufort	Andrews, W. T. (3 ME) -----	Greenville
Aiosa, R. (1 E)* -----	New Hyde Park, N. Y.	Andrishok, E. E. (1 Pre-Med)* -----	Mullins
Akers, M. F. (2 A&S) -----	Atlanta, Ga.	Andryaitis, A. J. (3 TM) -----	Pittsburgh, Pa.
Aldous, G. C. (4 EE) -----	Naval Base	Angle, D. T. (4 A&S) -----	Gastonia, N. C.
Aldrich, H. E. (2 ME) -----	Anderson	Anthony, J. C. (1 Pre-For) -----	Buffalo, N. Y.
Aldrich, R. B. (2 A-Agron) -----	Charleston	Ard, J. F. (1 A-AH)* -----	Hemingway
Alewine, M. A. (1 E-ME)* -----	Tailors	Armstrong, L. P. (G Ed)*† -----	Seneca
Alexander, F. E. (1 Arch)* -----	Fletcher, N. C.	Armstrong, W. F. (2 EE) -----	Honea Path
Alexander, J. K. (3 Agron) -----	Bishopville	Arndt, O. G. (3 Ar En) -----	Orangeburg
Alexander, James M. (PG A&S) -----	Clemson	Arnold, D. T. (2 TM) -----	Clanton, Ala.
Alexander, Julian M. (3 CE) -----	Clemson	Arnold, T. L. (4 CE) -----	Woodruff
Alexander, M. W. (3 Agron) -----	Westminster	Arnold, T. R. (3 Ar En) -----	Anderson
Alexander, W. R. (4 TM) -----	Aiken	Arnold, T. W. (1 A&S)* -----	Seneca
Allaband, W. A. (2 A-AH) -----	Spartanburg	Arthur, W. C. (2 ME) -----	Bristol, Tenn.
Allen, B. K. (1 Ed)* -----	Gaffney	Asbelle, C. T. (3 Arch) -----	Clearwater
Allen, H. W. (3 VAE) -----	Clio	Asbury, R. R. (2 TE) -----	Tailors
Allen, Jack L. (1 E-Ag En)* -----	Latta	Ashby, W. T. (2 Pre-Vet) -----	Florence
Allen, James L. (3 Agron) -----	Clio	Ashley, R. H. (4 Ed) -----	Level Land
Allen, John L. (G Ed)† -----	Pacolet Mills	Ashton, J. P. (3 TE) -----	Philadelphia, Pa.
Allen, L. R. (3 Agron) -----	Kings Creek	Askins, A. W. (1 E-CE)* -----	Gaffney
Allen, W. W. (4 Agron) -----	Spartanburg	Askins, S. E. (4 Ed) -----	Kingstree
Alley, J. P. (3 Ent) -----	Macon, Ga.	Asnp, W. D. (2 TM) -----	Greenville
Allison, J. D. (3 VAE) -----	Pauline	Atkins, C. E. (1 A)* -----	Gramling
Allison, J. M. (1 E-CE) -----	Albany, Ga.	Atkinson, C. N. (1 Arch)* -----	St. Petersburg, Fla.
Allison, W. H. (2 EE) -----	Greenville	Atkinson, C. W. (2 TM) -----	Chester
Allston, H. C. (1 A)* -----	Yonges Island	Atkinson, R. L. (1 A-Dairy)* -----	Lowrys
Amick, B. C. (1 A)* -----	Chapin	Atkinson, W. J. (1 Arch)* -----	Bennettville
Amick, W. A. (3 TM) -----	Rock Hill	Attaway, H. H. (3 Ind Ed) -----	North Charleston
Ammons, J. B. (3 Agron) -----	Hartsville	Aughtry, J. E. (3 TM) -----	Lyman
Anagnost, N. P. (2 CE) -----	Greenwood	Auld, I. D. (4 VAE) -----	Mt. Pleasant
Anderson, B. G. (3 A&S) -----	Travelers Rest		

Name and Course	Address	Name and Course	Address
Austin, M. R. (1 Arch)*	Cincinnati, Ohio	Bell, G. E. (3 AH)	Cordova
Austin, R. K. (1 E-CE)*	Washington, D. C.	Bell, J. R. (1 A&S)	Anderson
Avant, A. L. (1 VAE)	Marion	Bell, R. C. (1 VAE)*	Wampee
Avin, R. E. (1 VAE)	Manning	Bell, R. D. (1 VAE)*	Wampee
Ayers, J. L. (1 TM)	Piedmont	Bell, R. R. (3 Ind Ed)	Pelzer
Bacon, E. (1 Pre-Med)*	Savannah, Ga.	Bell, R. S. (3 VAE)	Jefferson
Bailes, J. P. (1 S-Ag En)	Union	Bellamy, O. H. (G Ed)†	Florence
Bailey, C. H. (3 EE)	Allendale	Bellamy, W. R. (1 VAE)	Loris
Bailey, J. H. (2 EE)	Charleston	Bellamy, W. W. (1 Ed)*	Bamberg
Bailey, J. L. (1 Arch)*	Woodruff	Benenhaley, H. (1 VAE)	Bishopville
Bailey, R. B. (4 TM)†	Clemson	Benjaminson, V. B. (3 Dairy)	York, Pa.
Bailey, T. A. (2 A-AH)	Naval Base	Bennett, A. C. (2 A)	Duncan
Bain, O. L. (4 TM)	Greenwood	Bennett, R. J. (3 VAE)	Union
Baker, A. E. (1 Pre-Med)	Charleston	Benton, P. L. (2 VAE)	Timmonsville
Baker, E. M. (1 Pre-Med)	Columbia	Berge, P. V. (1 A&S)*	Pascoay, R. I.
Baker, J. L. (1 TC)*	Heath Springs	Berner, L. G. (1 A)	Miami, Fla.
Baker, L. K. (3 Pre-Med)	Sumter	Berry, B. C. (4 Ag Ec)	Johnston
Baker, L. O. (1 A)	Marietta	Berry, E. B. (4 TM)	Pendleton
Baker, M. C. (1 VAE)	Harleyville	Berry, J. M. (3 Dairy)	Pelzer
Baker, R. W. (3 TM)	Pageland	Berry, P. H. (2 A-AH)	Saluda
Baldwin, C. M. (4 AH)	Georgetown	Berry, R. M. (2 ME)	Charleston
Baldwin, O. S. (3 Ind Ed)	Charleston	Berry, W. E. (4 Agron)	Elloree
Baldwin, W. E. (3 Chem)	Spartanburg	Berry, W. W. (4 A&S)	Greenville
Ballentine, G. W. (2 TM)	Blythewood	Best, F. G. (1 A)*	Galivants Ferry
Ballentine, J. R. (3 Ag En)	Anderson	Best, L. M. (1 TM)*	Bethune
Ballentine, T. F. (1 E-ME)	Blythewood	Bethel, W. P. (4 TM)	Charlotte, N. C.
Balieu, C. B. (G Ed)†	Liberty	Bethune, R. M. (1 Cr En)*	Cheraw
Balieu, H. M. (1 TM)	Greenville	Bickers, J. R. (G Ag Ec)	Easley
Banks, W. D. (1 E-ME)*	Bristol, Tenn.	Bickley, H. D. (1 E-EE)*	Newberry
Bannister, J. A. (1 E-ME)	Anderson	Bigby, M. E. (G Ed)†	Clemson
Banta, R. (2 CE)	Hawthorne, N. J.	Bigelow, A. R. (1 E-EE)*	North Charleston
Banz, T. A. (1 TM)*	Ridgewood, N. J.	Bigelow, C. M. (1 E-ME)*	Florence
Barbot, D. C. (3 CE)	Florence	Biggs, F. D. (1 E-Ag En)*	Latta
Barker, C. L. (1 Ed)*	Quitman, Ga.	Binnicker, M. (4 AH)	Norway
Barker, O. W. (1 Pre-Med)	Allendale	Bird, T. F. (2 A-Dairy)	Inman
Barker, R. H. (1 Ed)*	Quitman, Ga.	Bishop, C. A. (1 A)*	Union
Barker, V. R. (4 Agron)	Allendale	Bishop, C. B. (1 Chem)*	Bamberg
Barksdale, C. B. (2 EE)	Greenwood	Bishop, C. E. (1 A-AH)*	Inman
Barnes, J. E. (1 Pre-Med)*	Albany, Ga.	Bishop, G. J. (3 Cr En)	Savannah, Ga.
Barnett, J. C. (2 Pre-Med)	Marietta	Bishop, H. E. (4 Cr En)	Inman
Barnett, J. T. (4 Arch)	Memphis, Tenn.	Bishop, J. H. (1 TM)	Ware Shoals
Barnett, W. C. N. (4 VAE)	Greer	Bishop, W. R. (1 E-Ag En)*	Trenton
Barnhill, B. G. (2 TC)	Gaffney	Bissell, A. A. (4 TE)	Spartanburg
Barr, D. A. (1 Pre-Med)*	Albany, Ga.	Bivins, R. L. (2 A-AH)	Atlanta, Ga.
Barr, W. H. (3 Ag En)	Rion	Black, B. R. (4 TM)	Union
Barrett, G. M. (4 TM)	Atlanta, Ga.	Black, J. M. (4 TM)	Anderson
Barrow, J. O. (4 TM)	North Augusta	Black, J. T. (G VAE)†	Leesville
Bartlett, F. O. (3 TM)	Spartanburg	Blackmon, W. W. (2 Arch)	Columbia, Ga.
Barton, J. W. (2 ME)	Clearwater, Fla.	Blackwelder, H. V. (3 Arch)	Clinton
Barton, T. E. (2 Ed)	Lancaster	Blackwelder, J. B. (1 VAE)*	Fort Mill
Barton, W. D. (1 A-Hort)*	Aiken	Blackwell, H. E. (2 TM)	Gaffney
Basilone, M. J. (1 A-AH)*	McKeesport, Pa.	Blackwell, J. H. (4 TM)	Marion
Baskin, F. C. (1 E-TE)*	Iva	Blackwell, O. D. (1 VAE)*	Inman
Bass, T. C. (4 Arch)	Greenville	Blackwell, R. L. (1 TM)*	Inman
Bates, C. L. (2 Arch)	Charlotte, N. C.	Blair, E. W. (1 Arch)	Spartanburg
Bates, C. S. (1 E-EE)	Moncks Corner	Blakely, L. J. (G VAE)†	Ora
Bates, E. L. (3 Dairy)	Neeses	Blakely, W. M. (2 ME)	Simpsonville
Bates, J. S. (1 VAE)	Moncks Corner	Blanche, H. A. (2 TM)	Amityville, N. Y.
Bates, L. L. (4 EE)	Greenville	Bland, H. E. (4 Ag En)	Gaffney
Batson, H. E. (4 TM)	Greenville	Blessing, A. L. (2 ME)	Kingsport, Tenn.
Batson, H. G. (4 TM)	Laurens	Blocker, H. D. (1 Pre-For)*	Walterboro
Raxley, P. E. (1 E-ME)*	Washington, D. C.	Blume, E. S. (2 Arch)	Columbia
Bazen, B. E. (1 VAE)*	Hyman	Blyth, E. K. (3 EE)	Charleston
Beach, M. G. (4 A&S)	Walterboro	Boddie, S. W. (G Chem)*†	Charleston
Beach, R. L. (3 Ag En)	Walterboro	Bodle, W. J. (3 ME)	Anderson
Beal, J. H. (3 EE)	Chicago, Ill.	Boggs, A. D. (1 A-Agron)	Seneca
Beam, J. D. (1 VAE)	Cherryville, N. C.	Boggs, C. D. (G VAE)	Seneca
Beattie, R. C. (3 Ar En)	Augusta, Ga.	Boggs, C. R. (2 TM)	Greenville
Bebeau, E. P. (1 TC)	Schoolfield, Va.	Boggs, R. D. (2 A-Poul)	Central
Beckmann, J. W. (1 E-ME)*	Charleston	Boggs, R. V. (G VAE)	Seneca
Bee, S. S. (1 E-Ag En)	Charleston	Bolick, B. L. (3 EE)	Brookford, N. C.
Beeks, J. R. (4 TE)	Greenville	Bolick, J. H. (2 A-Hort)	Marietta
Behling, R. B. (4 EE)	St. George	Bolt, F. (2 EE)	Gray Court
Belger, J. H. (1 Arch)	Clio	Bolt, I. P. (2 CE)	Anderson

Name and Course	Address	Name and Course	Address
Bomar, L. S. (4 TM)	Greenville	Brock, D. C. (4 A&S)	Clemson
Bonds, L. P. (3 Arch)	Columbia	Brock, D. H. (2 EE)	Anderson
Bonds, J. E. (1 VAE)	Fountain Inn	Brock, L. W. (1 Ed)*	Greenville
Bonner, T. B. (1 Ind Ed)*	Arlington, Va.	Brock, O. D. (3 TM)	Whitnire
Booker, F. W. (G Ed)†	Clemson	Brock, R. S. (1 E-TE)	Honea Path
Bookhart, S. W. (2 Chem)	Kingstree	Brockenbrough, G. B. (2 Ag En)	Kinards
Boone, C. F. (2 TM)	Orangeburg	Brockman, H. L. (4 TM)	Westminster
Boone, J. K. (1 Ed)*	Erwin, Tenn.	Brogdon, J. T. (3 AH)	Manning
Booser, R. L. (3 VAE)	Lone Star	Brooks, B. E. (1 E-EE)*	Peizer
Boswell, D. F. (3 TM)	Manning	Broome, J. W. (1 E-CE)	Honea Path
Bouchillon, D. H. (2 Ch En)	Greenville	Brophy, E. A. (1 A)*	Ardmore, Pa.
Boulware, M. D. (4 Dairy)	Anderson	Bross, B. L. (1 E-EE)*	Greenwood
Bourne, C. R. (3 A&S)	Georgetown	Brower, R. C. (1 Ar En)	Savannah, Ga.
Bowen, R. A. (4 TE)	Belton	Brown, C. E. (2 TM)	Greenwood
Bowen, R. E. (4 TM)	Greenville	Brown, D. L. (2 Pre-Vet)	Florence
Bowen, R. N. (4 CE)	Chesnee	Brown, E. H. (1 A)*	Woodruff
Bower, H. W. (3 ME)	Amsterdam, N. Y.	Brown, E. R. (4 Ag Ec)	Iva
Bowers, E. E. (1 E-ME)*	Great Falls	Brown, G. A. (G Ed)†	Anderson
Bowers, J. H. (4 Pre-Med)	Walhalla	Brown, J. A. (1 A)	Olar
Bowman, A. K. (3 CE)	Sumter	Brown, J. L. (1 E-Ag En)*	Mountain Rest
Bowman, E. H. (1 E-TE)	Clover	Brown, L. E. (3 CE)	Starr
Bowman, W. L. (1 A)*	Lowndesville	Brown, R. C. (2 VAE)	Townville
Boyd, James H. (2 Ind Ed)	York	Brown, R. K. (1 Pre-Vet)*	Chester
Boyd, Joseph H. (3 TE)	Toccoa, Ga.	Brown, R. M. (4 Agron)	Iva
Boyd, L. G. (1 TM)*	Fairmount, Ga.	Brown, R. S. (4 TM)	Clemson
Boyd, P. A. (4 AH)	Loris	Brown, W. S. (3 TM)	Spartanburg
Boyd, R. P. (4 TM)	Charlotte, N. C.	Bruce, M. E. (2 Pre-Med)	Greer
Boyd, W. L. (3 TM)	York	Bruner, G. E. (G Chem)†	Clemson
Boykin, H. D. (3 Arch)	Boykin	Brunson, J. W. (3 AH)	Sumter
Boykin, J. D. (Unc)†	Georgetown	Brunson, O. D. (1 E-ME)	Ridgeland
Boykin, T. O. (4 Ind Ed)	Camden	Brunson, R. F. (3 ME)	Ridgeland
Boykin, T. R. (4 ME)	McColl	Bryant, E. R. (4 VAE)	Pacolet
Boyle, C. R. (3 Ar En)	Columbia	Bryant, H. O. (4 TM)	Liberty
Boyles, S. N. (1 E-CE)*	Ridgeland, Ga.	Bryant, J. E. (3 Ed)	Savannah, Ga.
Bozard, W. D. (4 TM)	Silverstreet	Bryant, J. R. (1 A&S)*	Orangeburg
Brabham, C. B. (1 E-TE)*	Dalzell	Bryson, J. W. (4 EE)	Lyman
Bracken, E. T. (1 A&S)*	Pittsburgh, Pa.	Bryson, T. J. (3 AH)	Mountville
Brackman, J. M. (3 AH)	Cornelia, Ga.	Bryson, W. S. (1 E-ME)*	Spartanburg
Brackman, W. L. (3 AH)	Cornelia, Ga.	Bucar, P. P. (1 A-AH)*	Traford, Pa.
Bradberry, H. E. (1 E-TE)*	Greenwood	Buchanan, H. H. (2 ME)	Gastonia, N. C.
Bradberry, R. C. (2 EE)	Athens, Ga.	Buchanan, W. J. (2 A-Hort)	West Columbia
Bradbury, R. G. (1 A&S)*	Orangeburg	Buck, H. S. (4 TC)	Edgemoor
Bradham, F. L. (4 Agron)	Sumter	Buckles, C. D. (2 A)	Salters
Bradham, P. D. (4 Ar En)	Sumter	Buist, S. J. (3 Ed)	Blackville
Bradley, J. C. (1 E-EE)*	Fort Mill	Burch, M. B. (3 A&S)	Florence
Bradley, J. S. (2 A&S)	Fort Benning, Ga.	Burdette, F. D. (3 ME)	Simpsonville
Bradley, J. W. (1 E-Ag En)*	Spartanburg	Burkins, R. E. (2 Arch)	Baltimore, Md.
Bradley, R. C. (4 TM)	Greenville	Burley, D. H. (3 Ch En)	Clemson
Bradley, T. B. (1 E-TE)*	Newberry	Burley, M. M. (3 Ind Ed)	Spartanburg
Bradley, W. F. (3 TM)	North Charleston	Burnett, H. M. (1 A-Hort)*	Chesnee
Bradshaw, L. M. (1 A-AH)*	Greelyville	Burnett, W. E. (4 TM)	Green Sea
Branch, C. M. (1 Ind Phys)*	Chesterfield	Burns, R. D. (2 VAE)	McCormick
Brandt, G. F. (4 CE)	Augusta, Ga.	Burns, W. H. (G Ag Ec)†	Clemson
Branham, M. C. (1 Ed)	Columbia	Burris, C. A. (1 Ed)*	Brooklyn, N. Y.
Brannon, C. C. (G Dairy)†	Clinton	Burroughs, J. B. (1 E-CE)	Augusta, Ga.
Brant, T. F. (1 E-TE)*	Columbia	Burton, C. J. (3 ME)	Westminster
Branyon, W. E. (2 Dairy)	Clemson	Burton, H. B. (2 CE)*	Clinton
Bray, E. C. (1 TM)*	Florence	Burwell, R. H. (2 A-AH)	Rutherfordton, N. C.
Breazeale, H. A. (1 A-AH)	Pendleton	Busby, W. L. (1 TM)*	Abbeville
Brennecke, H. J. (3 ME)	Walhalla	Bussey, J. C. (3 Ag En)	Hagood
Brenner, W. R. (4 Ar En)	Jamaica, N. Y.	Butler, E. A. (3 Ind Ed)	Youngstown, Ohio
Brett, D. J. (4 TM)	New York, N. Y.	Butler, E. J. (2 A-Agron)	Lexington
Brickman, W. H. (1 Ch En)*	Fountain Inn	Butler, L. C. (2 TM)	Mooresville, N. C.
Bridgeman, J. L. (3 TC)	Whitney	Butts, W. W. (4 Hort)	Walhalla
Bridges, R. A. (4 TM)	Joanna	Buxton, J. F. (4 TM)	Sardis, Ga.
Bridges, R. K. (1 Pre-Med)*	Duncan	Buzzell, W. V. (2 Arch)	Augusta, Maine
Bridges, W. R. (1 TM)	Simpsonville	Byars, E. F. (PG CE)†	Clemson
Bridgman, M. B. (2 EE)	Belton	Byars, G. H. (1 E-Ag En)	Lowrys
Brigman, J. W. (1 E-TE)*	Columbia	Byers, B. M. (1 E-ME)	Myers
Brigman, W. M. (1 E-Ag En)*	Latta	Byers, J. C. (1 E-Ag En)*	Savannah, Ga.
Brinkley, J. A. (3 Hort)	Signal Mountain, Tenn.	Byers, R. C. (1 E-TE)*	Lincolnton, N. C.
Brinson, H. E. (4 CE)	Savannah Beach, Ga.	Byrd, E. A. (4 CE)	Branchville
Broadwell, R. L. (3 TE)	Anderson	Byrd, E. D. (1 A)*	Kingstree
		Byrd, G. E. (1 A)	Hartsville

Name and Course	Address	Name and Course	Address
Byrd, J. F. (1 TM)*	Kingsport, Tenn.	Causey, N. E. (1 Pre-Vet)*	Chadbourne, N. C.
Byrd, J. L. (1 E-EE)*	Hartsville	Cauthen, J. R. (3 Ag En)	Heath Springs
Byrd, W. E. (1 VAE)*	Society Hill	Cauthen, M. B. (3 VAE)	Heath Springs
Calabro, R. S. (1 E-TE)*	Long Island, N. Y.	Cauthen, M. F. (2 TM)	Rock Hill
Calder, J. R. (2 A-AH)	Mullins	Chagaris, W. J. (2 TE)	Gastonia, N. C.
Caldwell, G. C. (3 ME)	Willow Grove, Pa.	Chambers, H. E. (1 E-ME)*	Clyde, N. C.
Calhoun, C. C. (1 TM)	Greenville	Chambers, R. W. (4 Ch En)	Hayesville, N. C.
Calhoun, T. C. (1 Arch)	Charlotte, N. C.	Chamblee, D. N. (1 A-Agron)	Anderson
Callahan, J. F. (2 EE)	Atlanta, Ga.	Chamblee, H. R. (1 E-Ag En)	Anderson
Calvert, F. G. (1 E-EE)	Moultrieville	Chandler, A. S. (3 Arch)	Greensboro, N. C.
Calvert, J. H. (3 TM)	Spartanburg	Chandler, J. A. (2 ME)	Murrells Inlet
Calvert, J. W. (3 TM)	Spartanburg	Chaplin, H. M. (4 Agron)	Neeses
Calvert, T. E. (2 TM)	Honea Path	Chapman, J. W. (3 TM)	Spartanburg
Campbell, D. H. (4 TM)	Edgefield	Chapman, V. L. (1 TM)	Pelzer
Campbell, E. (1 A-AH)	Dillon	Chapman, William F. (1 Pre-Vet)	Belton
Campbell, H. T. (2 TM)	Chester	Chapman, W. F., Sr. (G VAE)†	Belton
Campbell, J. G. (2 ME)	Greenville	Chapman, W. Z. (1 A-AH)*	Society Hill
Campbell, J. T. (1 E-CE)*	Mocksville, N. C.	Charles, T. L. (3 EE)	Greenwood
Campbell, R. E. (2 ME)	Anderson	Chason, M. L. (3 VAE)	Cairo, Ga.
Campbell, T. J. (1 E-EE)*	Greenville	Chastain, J. D. (4 VAE)	Taylors
Campbell, W. L. (4 TM)	Edgefield	Chastain, W. P. (1 E-EE)*	Central
Cannada, R. L. (4 TM)	Taylors	Cheek, F. L. (3 Poul)	Honea Path
Cannon, A. Y. (1 Arch)*	Anderson	Childress, J. L. (4 TM)	Fort Knox, Ky.
Cannon, R. B. (1 Arch)	Spartanburg	Childs, D. A. (3 TM)	Spartanburg
Cantrell, B. P. (1 A&S)	Spartanburg	Childs, L. C. (2 Arch)	Columbia
Cantrell, G. W. (1 E-EE)*	Liberty	Chreibitz, B. K. (1 TM)*	Williamston
Capelle, D. G. (2 CE)	Clemson	Chrisawn, E. S. (2 CE)	Sumter
Caphton, D. L. (3 ME)	Savannah, Ga.	Christenbury, J. W. (4 TM)	Charlotte, N. C.
Carlile, J. J. (1 A-Agron)*	Princeton, N. J.	Christian, G. W. (1 E-ME)*	McCormick
Carlisle, J. R. (2 EE)	Calhoun Falls	Christie, F. (4 CE)	Palmyra, N. J.
Carlisle, J. S. (2 TE)	Spartanburg	Christopher, J. A. (4 Ag En)	Landrum
Carlson, P. G. (4 TM)	North Augusta	Christopher, J. B. (3 Ind Ed)	Central
Carmichael, C. F. (3 VAE)	Fork	Ciotti, W. A. (2 Ar En)	Lexington
Carmichael, D. M. (2 ME)	Dillon	Claffy, J. F. (2 TM)	Spartanburg
Carnell, W. J. (1 E-TE)*	Ware Shoals	Claffy, L. R. (1 TM)	Spartanburg
Carnes, E. L. (1 A&S)*	Tonawanda, N. Y.	Clanton, J. C. (3 A&S)	Charlotte, N. C.
Carothers, J. C. (1 TM)*	Rock Hill	Clapp, J. C. (2 ME)	St. Petersburg, Fla.
Carothers, J. F. (3 TM)*	Rock Hill	Clark, E. W. (2 TM)	Lexington
Carpenter, B. R. (1 TM)*	Lancaster	Clark, H. H. (2 TE)	Greenville
Carpenter, C. H. (1 TM)*	Graniteville	Clark, L. S. (4 AH)	Johnston
Carpenter, W. E. (3 TE)	Graniteville	Clark, O. M. (4 TM)	Clemson
Carr, A. D. (1 TM)*	Griffin, Ga.	Clark, R. P. (1 Pre-Med)*	Charleston
Carr, W. B. (4 CE)	Laurens	Clarke, A. H. (3 TM)	Laurens
Carr, W. G. (4 Ch En)	Union	Clarkin, J. R. (4 Ar En)	Charleston
Carraway, C. W. (1 Pre-Med)*	Charleston	Clayton, D. H. (3 Ch En)	Dorchester
Carroll, E. R. (2 Arch)	Spartanburg	Clayton, L. A. (2 TM)	Greer
Carroll, L. H. (1 E-Ag En)*	Westminster	Clayton, R. (2 TM)	Inman
Carroll, R. C. (2 Ag En)	Florence	Clelan, J. R. (1 E-TE)*	Lewistown, Pa.
Carson, J. M. (2 TM)	Kershaw	Clelan, C. H. (4 ME)	Ridgeland
Carson, L. A. (Unc)†	Orangeburg	Clemens, J. C. (2 A&S)	Clemson
Carson, S. G. (1 Ind Ed)	Central	Clemons, J. T. (1 A&S)	Kershaw
Carter, C. A. (3 ME)	Rock Hill	Cleveland, B. G. (1 TM)*	Anderson
Carter, C. K. (1 E-EE)*	Sanford, Fla.	Cleveland, S. C. (1 VAE)*	Greenville
Carter, E. W. (3 TM)	Columbia	Clevenger, C. W. (2 ME)	Piedmont
Carter, G. R. (3 TM)	Anderson	Cline, S. L. (3 TM)	Conover, N. C.
Carter, W. G. (4 Ed)	Greenville	Clinkscales, H. S. (4 VAE)	Starr
Cash, C. D. (4 ME)	Philadelphia, Pa.	Cloud, R. P. (3 Ind Ed)	Kingsport, Tenn.
Cash, W. G. (4 TM)	Taylors	Cobb, A. C. (1 E-TE)*	Hodges
Caskey, W. J. (3 Ag Ec)	Lancaster	Cobb, T. E. (3 TE)	Lyman
Cason, C. R. (2 CE)	Walhalla	Cobb, W. H. (2 EE)	Columbia
Cason, P. N. (3 ME)	Brunswick, Ga.	Cochran, P. (2 Ag En)	East Point, Ga.
Cassidy, W. B. (4 TM)	Hartsville	Cochran, W. T. (3 TE)	Greenville
Castelloe, J. B. (2 ME)	Greenville	Cofer, C. M. (4 Ag En)	Charlotte, N. C.
Castles, T. P. (4 AH)	Columbia	Coggins, W. T. (1 E-EE)*	Spartanburg
Castles, T. S. (1 TM)	Winnboro	Coker, D. G. (1 Pre-Med)*	Turbeville
Cates, J. W. (4 ME)	Seneca	Coker, E. C. (Unc)*†	Clemson
Cathcart, J. F. (4 TM)	Bishopville	Coker, H. D. (1 A-AH)	Kingstree
Cathcart, T. M. (3 TM)	Hartsville	Coker, Q. W. (Unc)*†	Clemson
Caudill, J. B. (2 A-Ag Ec)		Coker, R. O. (1 TM)*	Greer
	West Jefferson, N. C.	Coker, T. H. (1 VAE)	Pelzer
Caudill, V. S. (3 A)	Star, N. C.	Coker, W. J. (3 VAE)	Lake City
Caudill, W. J. (1 VAE)*	Ronda, N. C.	Cole, C. M. (1 A&S)	Buffalo, N. Y.
Caughman, N. H. (1 E)*	High Point, N. C.	Cole, T. W. (2 ME)	Kershaw
Caulder, S. L. (4 VAE)	Lake City	Coleman, C. D. (4 CE)	Anderson

Name and Course	Address	Name and Course	Address
Coleman, C. E. (4 TC)	Anderson	Craig, O. L. (1 E-Ag En)*	Catechee
Coleman, C. P. (3 CE)	Greenwood	Craig, W. F. (1 A-Dairy)*	Rock Hill
Coleman, J. K. (1 A)*	Columbia	Craig, W. R. (1 A&S)*	Pickens
Coleman, L. D. (1 A)	Columbia	Crane, W. T. (4 EE)	Savannah, Ga.
Coleman, M. D. (2 A-AH)*	Latta	Crapps, W. D. (G Ag Ec)	Blaney
Coleman, P. W. (2 A-Dairy)	Mountville	Crawford, G. E. (2 A-Dairy)	Gray Court
Coleman, W. R. (4 CE)	Saluda	Crawford, J. B. (2 A)	Kelson, Tenn.
Coleman, Z. S. (1 VAE)*	Marion	Crawford, T. P. (1 A)*	Pineville
Collier, E. P. (2 VAE)	Harleyville	Crawford, W. D. (3 TM)	Winnboro
Collins, E. C. (1 A-AH)*	Mullins	Creech, E. R. (2 TM)	Spartanburg
Collins, J. C. (1 TM)*	Chesnee	Creech, H. L. (4 Poul)	Olar
Collins, M. A. (2 Ind Ed)	Walhalla	Creighton, J. H. (2 ME)	Buffalo
Collins, M. C. (1 Ind Ed)*	Columbia	Creighton, W. P. (2 TC)	McCormick
Collins, O. O. (1 Ind Ed)*	Central	Crenshaw, P. W. (2 CE)	Westminster
Collins, T. C. (1 A-Ent)*	Myrtle Beach	Crenshaw, T. N. (2 A)	La France
Collins, W. L. (1 Ind Ed)	Georgetown	Cribb, J. T. E. (4 A&S)	Spartanburg
Collins, Z. L. (1 Pre-Med)*	Campobello	Crim, J. E. (4 EE)	Summerville
Compton, C. J. (3 ME)	Hartsville	Crocker, B. D. (1 TM)*	Lockhart
Compton, J. W. (1 Pre-Med)	Laurens	Croke, T. M. (4 CE)	Philadelphia, Pa.
Compton, R. F. (1 TM)*	Laurens	Cromer, C. D. (2 VAE)	Kinards
Compton, W. C. (1 TM)*	Seneca	Cromer, W. V. (1 Chem)*	Greenwood
Conder, J. W. (1 A-AH)	Laurens	Crouch, R. E. (2 A&S)	St. Petersburg, Fla.
Condon, F. E. (2 EE)	Charleston	Crumpton, J. C. (2 TM)	Greenville
Cone, F. (3 VAE)	Coosada, Ala.	Cudd, R. H. (3 TM)	Spartanburg
Cone, M. M. (1 VAE)	Coosada, Ala.	Culberson, C. K. (3 TM)	Shannon, Ga.
Connell, J. C. (1 E-ME)	Camden	Culbreth, F. H. (1 A-Hort)	Campobello
Connell, W. J. (3 TM)	Greenville	Culclasure, L. W. (1 TM)	Winnboro
Connell, P. L. (1 A-AH)*	Hampton	Culley, H. B. (2 TE)	West Frankfort, Ill.
Conte, A. L. (4 ME)	Central	Culp, T. W. (4 Agron)	Fort Mill
Converse, S. W. (4 TM)	Spartanburg	Cummings, G. N. (3 Ind Ed)	Summerville
Coogler, A. L. (1 E)*	Chester	Cunningham, R. B. (1 Arch)*	Columbia
Coogler, W. W. (2 Ch En)	Chester	Cunningham, W. J. (1 A-Hort)	Lancaster
Cook, D. L. (2 ME)	Kershaw	Currie, E. G. (2 VAE)	Lake View
Cook, J. C. (Unc)*	Clemson	Currie, J. M. (1 E-Ag En)*	Harleyville
Cook, J. W. (3 EE)	Easley	Curry, J. C. (2 Ar En)	Batesburg
Cook, P. A. (3 TC)	Spartanburg	Curry, J. M. (PG VAE)	Gray Court
Cook, R. M. (2 TE)	Aiken	Cushman, J. E. (4 Dairy)	Chester
Cook, W. T. (4 VAE)	Owings	Cutchin, J. T. (3 Ag En)	Portsmouth, Va.
Cookson, F. E. (2 A&S)	Clemson	Dabbs, G. M. (1 A-AH)*	Mayesville
Cooler, D. B. (4 TM)	Plantersville	Dabbs, J. S. (1 E-Ag En)*	Mayesville
Cooper, D. E. (1 A)*	Andrews	Dabney, F. D. (3 TM)	Rock Hill
Cooper, G. B. (1 TM)*	Lancaster	Dabney, W. D. (3 AH)	Lancaster
Cooper, J. B. (2 CE)	Gray Court	Dalton, C. B. (1 Pre-For)*	Asheville, N. C.
Cooper, L. R. (Unc)*	Travelers Rest	Dameron, R. M. (3 Chem)	Greenville
Cooper, T. G. (2 Pre-Med)	Columbia	Damiano, G. (2 CE)	Providence, R. I.
Cooper, W. P. (4 TM)	Columbia	Daniel, G. G. (3 Ed)	North Augusta
Corbett, W. E. (3 Ag En)	Mountville	Danner, B. C. (3 ME)	Jonesville
Corbitt, H. R. (1 VAE)*	St. Matthews	Dantzier, H. L. (2 Pre-For)	Summerville
Corbitt, M. R. (2 Ch En)	St. Matthews	Darby, L. G. (1 TC)*	Charleston
Corley, E. A. (4 AH)	Greenwood	Darby, O. L. (1 E-EE)	Honea Path
Cornwell, J. B. (3 TM)	Great Falls	Dargan, G. W. (1 Cr En)	Darlington
Cothran, B. N. (1 VAE)*	Fountain Inn	Davenport, C. F. (1 E-CE)	Greenville
Cothran, E. E. (3 TM)	La France	Davis, B. B. (2 TE)	Cowpens
Cothran, L. E. (1 TC)*	Central	Davis, B. W. (4 TM)	Greenville
Cothran, W. J. (1 Ed)	Inman	Davis, C. W. (3 A&S)	Waynesville, N. C.
Cottingham, W. C. (1 Pre-Med)*	Trio	Davis, G. B. (1 A-AH)*	Columbia
Couch, J. H. (G Ind Ed)†	Clemson	Davis, G. L. (3 TM)	Waban, Mass.
Counts, T. W. (1 E-CE)*	Greenville	Davis, H. (3 VAE)	Townville
Coursey, E. G. (3 ME)	Clearwater	Davis, H. G. (1 E-EE)	Murfreesboro, Tenn.
Courtenay, St. J. (4 TE)	Greenville	Davis, L. A. (1 A-AH)	Cone
Courtney, R. O. (4 CE)	Johnston	Davis, P. C. (3 CE)	Greenville
Cousar, R. E. (1 Pre-Vet)*	Sardinia	Davis, W. C. (2 VAE)	Furman
Covington, N. J. (3 EE)	Charlotte, N. C.	Dawney, J. W. (3 VAE)	Aynor
Cox, C. R. (4 A&S)	Camden	Day, P. B. (1 E-EE)	Johnston
Cox, H. M. (1 A-Agron)*	Loris	Deanhardt, L. C. (4 TM)	Belton
Cox, J. D. (1 E-TE)	Loris	Deas, B. F. (4 TM)	Rock Hill
Cox, J. M. (4 Arch)	Kingsport, Tenn.	Denson, F. P. (4 TM)	McCormick
Cox, M. E. (1 E-ME)	Greenwood	Denson, J. T. (4 TM)	McCormick
Cox, R. E. (3 AH)	Yonges Island	Debaki, J. Z. (3 Poul)	Irvington, N. J.
Cox, R. O. (3 A)	Woodruff	Dees, E. L. (3 TM)	Blenheim
Craig, D. E. (1 E-Ag En)*	Pendleton	Dees, W. M. (4 Hort)	Blenheim
Craig, J. T. (4 Ag En)	Pickens	Deefe, F. A. (1 TM)*	Columbia
Craig, K. R. (4 Arch)	Greenville	Delk, W. S. (3 TM)	Greenville
Craig, M. A. (4 TE)	Clover	DeLoach, G. E. (4 TM)	Beaufort

Name and Course	Address	Name and Course	Address
DeLoache, W. E. (1 A-Hort)	Columbia	Eason, H. L. (3 AH)	Sumter
Demopoulos, J. (3 Ind Ed)	Orlando, Fla.	Easterling, J. L. (4 Agron)	Hartsville
Demosthenes, H. J. (3 Arch)	Beaufort	Eaton, E. W. (1 A-Hort)*	Baltimore, Md.
Dempsey, A. G. (2 TM)	Landrum	Ebner, B. R. (1 Pre-Vet)*	Meggett
Dempsey, G. (4 Ed)	Seneca	Eckman, L. M. (2 TM)	Jesup, Ga.
Dempsey, J. E. (1 E-ME)*	Landrum	Edmondson, C. V. (1 A-Agron)*	Washington, D. C.
Denaro, L. F. (2 Ag En)	Moncks Corner	Edwards, A. W. (1 A-Agron)	Greenville
Dennis, M. K. (1 A-AH)*	Hemingway	Edwards, D. L. (1 Chem)*	North Charleston
Dennis, T. W. (2 Ag En)	Johnsonville	Edwards, G. B. (1 TM)*	Florence
Denson, W. C. (3 ME)	Orlando, Fla.	Edwards, J. (1 E-CE)*	Laurens
Denton, F. H. (1 Ed)*	Dallas, Ga.	Edwards, J. K. (2 A&S)	Saluda
Derrick, J. C. (2 Chem)	Walhalla	Ehrhardt, H. S. (4 Pre-Med)	Ehrhardt
Dewberry, W. E. (3 TM)	Elberton, Ga.	Elam, J. D. (3 Ed)	Spartanburg
DeWitt, A. E. (2 Ag En)	Darlington	Elder, M. H. (3 Ag En)	Atlanta, Ga.
Dey, W. H. (4 ME)	Jacksonville, Fla.	Eleazer, G. W. (4 TM)	Columbia
Diamond, G. (4 TM)	Taunton, Mass.	Eleazer, P. E. (1 E-EE)	Pelion
Dickert, H. D. (3 EE)	Orangeburg	Elledge, T. H. (1 Arch)*	Asheville, N. C.
Dickson, J. F. (4 Ind Phys)	Rock Hill	Elliott, J. B. (2 A)	Nichols
Dickson, J. P. (2 A-AH)	McCormick	Elliott, W. H. (4 AH)	Summerville
Dill, B. M. (1 A)*	Landrum	Ellis, B. A. (1 Cr En)*	Greenville
Di Marzo, J. M. (3 CE)	West Orange, N. J.	Ellis, D. H. (4 EE)	Spartanburg
DiMucci, D. M. (2 Ed)	McKeesport, Pa.	Ellis, K. G. (1 TM)*	Anderson
Dixon, E. C. (2 TM)	Darlington	Ellis, L. D. (1 Pre-Med)	Aiken
Dixon, W. H. (4 TM)	Brevard, N. C.	Ellis, W. R. (4 EE)	Anderson
Dixon, W. L. (4 EE)	Sumter	Ellison, C. H. (2 EE)	Spartanburg
Doar, L. H. (3 Ch En)	Fort Knox, Ky.	Ellison, D. C. (1 E-EE)*	Easley
Dobson, B. F. (1 A)*	Duncan	Ellison, P. D. (2 Pre-Med)	Anderson
Dobson, C. N. (1 A-AH)*	Brunson	Ellison, W. R. (3 A&S)	Anderson
Dobson, R. T. (4 TM)	Central	Ellison, W. S. (1 E-EE)	Seneca
Dodd, W. K. (1 Pre-Vet)*	Round O	Elmore, T. (1 A&S)*	Bishopville
Dodgen, W. D. (3 TM)	York	Elrod, A. C. (G ME)†	Walhalla
Dohar, E. J. (3 CE)	Wattsville	Elrod, B. R. (2 A-AH)	Piedmont
Donaldson, R. J. (1 A-Hort)*	Mt. Pleasant	Elrod, H. W. (1 E-EE)*	Piedmont
Donkie, J. O. (2 A-AH)	Pauline	Elrod, R. F. (3 Dairy)	Piedmont
Dorn, R. E. (1 E-EE)	Greenwood	Elrod, W. C. (G ME)†	Walhalla
Douglass, C. R. (2 CE)	Reidsville, N. C.	England, W. D. (2 Ag En)	Westminster
Dowling, J. H. (3 TM)	Chester	English, P. R. (1 A)*	Warrenton, Ga.
Dozier, F. E. (2 CE)	Brunswick, Ga.	Entzminger, W. E. (1 VAE)*	Plythwood
Dozier, R. W. (1 E-Ag En)	Marion	Erskine, J. H. (1 E-ME)*	Anderson
Drafts, J. T. (4 Ar En)	Lexington	Ervin, W. C. (2 Ag En)	Florence
Drake, W. H. (4 EE)	Donalds	Erwin, C. N. (1 Pre-For)*	Brevard, N. C.
Draper, C. H. (2 TM)	Spartanburg	Eskew, T. F. (2 A&S)	Anderson
Drennon, H. L. (2 Ed)	Pelzer	Eskridge, K. C. (4 AH)	Cheraw
Drew, F. H. (2 A&S)	Ridgeland	Estes, A. C. (4 TM)	Winnsboro
DuRose, L. S. (1 A-AH)*	Sumter	Estes, B. G. (4 TC)	Ware Shoals
Duffies, S. B. (1 Arch)*	Elmhurst, N. Y.	Estes, R. T. (G Chem)*†	North Charleston
Duffy, J. E. (1 TM)*	White Plains, N. Y.	Eubanks, H. O. (3 Arch)	Augusta, Ga.
Duke, L. R. (1 A-Agron)	Kingstree	Eubanks, J. W. (1 A-AH)*	Buffalo
Duke, R. W. (2 A-AH)	Kingstree	Evans, A. W. (2 A&S)	Savannah, Ga.
Dukes, E. O. (1 TM)	North Augusta	Evans, C. D. (G Ag Ec)†	Clemson
Dukes, H. L. (3 TM)	Newberry	Evans, C. H. (3 EE)	North Charleston
Dukes, P. D. (2 A)	Reesville	Evans, J. L. (2 TM)	West Orange, N. J.
Dumas, A. L. (4 TE)	Rockmart, Ga.	Evans, J. M. (1 Chem)*	Lancaster
Duncan, B. V. (1 TM)*	Pendleton	Evans, J. S. (Unc)†	New Zion
Duncan, H. B. (1 TM)*	Greenville	Evans, M. L. (1 A)	Lake City
Duncan, H. H. (3 EE)	Anderson	Evans, W. D. (4 Agron)	Kingstree
Duncan, R. E. (4 ME)	Callison	Evatt, A. H. (3 TM)	Easley
Duncan, R. M. (4 ME)	Union	Everitt, K. K. (1 TM)*	Alexandria, Va.
Duncan, T. L. (1 Pre-For)*	Myrtle Beach	Everts, R. C. (1 E-EE)*	Wilmington, Del.
Dunlap, D. B. (1 A-Hort)*	Rock Hill	Ezell, B. B. (PG Arch)	Spartanburg
Dunlap, R. T. (2 A-Dairy)	Clinton	Ezell, W. C. (1 VAE)	Cowpens
Dunn, J. H. (4 ME)	Augusta, Ga.	Fabian, W. L. (2 TM)	Charleston
Dunn, O. H. (2 TM)	Birmingham, Ala.	Fain, C. C. (1 TM)*	Spartanburg
DuPre, W. M. (G Dairy)†	Clemson	Fairey, J. M. (4 A&S)	Orangeburg
Durden, G. C. (3 EE)	Augusta, Ga.	Fanning, W. H. (3 Ar En)	Columbia
Durham, G. W. (1 E-ME)*	Trenton	Farmer, H. H. (1 A&S)*	Beaufort
Duvall, R. W. (4 Chem)	Cheraw	Farmer, K. B. (4 Ind Ed)	Marble, N. C.
Dwight, R. C. (3 EE)	Sumter	Farmer, L. P. (4 EE)	Spartanburg
Dyches, P. E. (1 VAE)*	Blackville	Farmer, R. E. (2 Pre-For)	Newport, Tenn.
Enker, R. E. (1 A-Poul)	Cherryville, N. C.	Farnsworth, W. W. (2 CE)	Greenville
Earle, J. B. (1 Pre-Med)	Walhalla	Faucett, J. W. (3 Pre-Med)	Union
Earle, J. E. (2 Ag En)	Anderson	Faulkenberry, B. K. (2 EE)	Greenville
Earle, J. W. (1 E-ME)	Anderson	Faulkenberry, F. W. (4 ME)	Chester
Earle, T. B. (2 Pre-For)	Savannah, Ga.		

Name and Course	Address	Name and Course	Address
Faulkenberry, G. W. (1 E-ME)*	Lancaster	Frazier, J. M. (1 A&S)*	Oak Hill, W. Va.
Faulkenberry, R. E. (2 A-Dairy)	York	Freeland, M. C. (4 CE)	Plum Branch
Faulkner, H. G. (4 VAE)	Clover	Freeman, C. B. (2 Ind Phys)	Westminste
Faver, W. H. (1 A)*	Eastover	Freeman, J. E. (2 EE)	Greenville
Faw, P. C. (1 E-ME)*	Piedmont	Freret, W. A. (1 Arch)	Decatur, Ga.
Featherstone, D. E. (2 TM)	Hendersonville, N. C.	Freudenberger, O. L. (2 CE)	St. Petersburg, Fla.
Feemster, T. R. (2 TM)	Gastonia, N. C.	Friar, J. S. (3 ME)	Montmorenc
Feindel, G. P. (1 Arch)*	Rock Hill	Frick, R. A. (2 ME)	Chapi
Felder, A. L. (1 A-Dairy)	Bowman	Frick, S. R. (1 VAE)*	Little Mountai
Feldman, S. I. (1 A&S)	Charleston	Fricke, D. K. (3 Dairy)	Baldwin, N. Y.
Fennell, C. A. (3 Agron)	Chester	Friddle, W. J. (2 TM)	Greenville
Ferguson, B. M. (1 E-Ag En)*	Brevard, N. C.	Frierson, J. L. (4 Hort)	Denmar
Ferguson, C. R. (3 TM)	Atlanta, Ga.	Frierson, R. V. (1 A)*	Denmar
Ferguson, H. E. (4 A&S)	San Rafael, Calif.	Froelich, R. S. (2 A-Hort)	Allendale, N. J.
Ferguson, J. C. (4 EE)	West Asheville, N. C.	Fry, L. H. (2 Ag En)	Cochran, Ga.
Ferguson, T. C. (4 EE)	Greenville	Fullum, W. J. (3 TM)	Brooklyn, N. Y.
Ferguson, W. L. (4 Arch)	Spartanburg	Fulmer, J. P. (2 A-Hort)	Augusta, Ga.
Fersner, L. E. (1 TM)*	Orangeburg	Fulmer, J. S. (4 A&S)	Saluda
Few, J. C. (2 EE)	York	Funderburk, E. R. (1 A-Dairy)	Lancaster
Ficken, G. E. (3 VAE)	Early Branch	Furr, J. B. (1 TM)*	Newton, N. C.
Fickling, H. E. (4 AH)	Ridgeland	Furse, W. J. (1 E-Ag En)*	Luray
Fine, W. A. (1 Arch)*	Spartanburg	Gabriel, N. R. (4 Ar En)	Memphis, Tenn.
Finklea, G. C. (PG Ent)	Florence	Gaddy, J. M. (4 TM)	Bennettsville
Fischetti, M. A. (1 Ed)*	Brooklyn, N. Y.	Gage, C. V. (1 E-TE)*	Clemson
Fizer, J. R. (1 E-EE)*	Charlotte, N. C.	Gage, G. (4 TE)	Clemson
Flake, J. L. (2 A-Agron)	Swansea	Gailey, C. W. (4 TM)	Anders
Flanagan, J. G. (1 VAE)	Clover	Gaillard, J. A. (1 E-EE)*	Florence
Flavin, J. P. (1 A-Agron)*	DeLand, Fla.	Gaillard, W. H. D. (4 A&S)	Florence
Flaisher, B. (4 TM)	Waterbury, Conn.	Gaines, R. O. (1 TM)*	Greenwood
Fleming, C. L. (2 A-AH)	Abbeville	Gale, A. D. (4 CE)	Brunswick, Ga.
Fleming, M. L. (3 A&S)	Spartanburg	Galloway, H. F. (2 TM)	Hartsville
Fletcher, F. L. (2 Arch)	Rock Hill	Galloway, J. A. (1 A-Agron)*	Hartsville
Fletcher, H. W. (2 EE)	McColl	Gallucci, R. A. (1 TM)*	West New York, N. J.
Fletcher, J. E. (1 E-Ag En)*	Raleigh, N. C.	Gambrell, C. H. (4 EE)	Greenville
Flowers, F. M. (3 AH)	Darlington	Gambrell, H. D. (2 EE)	Pendleton
Flowers, H. H. (1 Pre-Vet)*	Lancaster	Gambrell, H. L. (4 TM)	Pendleton
Floyd, A. E. (1 VAE)*	Nixonville	Gandy, V. (3 AH)	Florence
Floyd, D. B. (1 VAE)*	Scranton	Gant, G. D. (1 Pre-Med)*	West Columbia
Floyd, G. O. (2 ME)	McBee	Gardner, G. N. (3 TM)	Lancaster
Floyd, J. J. (1 E-Ag En)*	Nichols	Gardner, J. M. (2 Ind Ed)	Hartsville
Floyd, M. L. (2 A-AH)*	Scranton	Gardner, R. W. (4 Ind Ed)	Pritchardville
Fogle, M. S. (3 Hort)	Orangeburg	Gardner, T. B. (3 Ag Ec)	Marion
Folk, E. W. (3 Ch En)	Simpsonville	Garland, J. L. (3 Arch)	Erwin, Tenn.
Folk, J. M. (3 TM)	Bamberg	Garner, J. B. (2 CE)	Cedartown, Ga.
Fooshe, W. K. (4 TM)	Hodges	Garren, D. H. (3 ME)	Easley
Ford, D. M. (4 TE)	Clover	Garren, J. W. (2 Arch)	Spartanburg
Ford, W. E. (2 TM)	Medford, Mass.	Garren, W. R. (2 A)	West Asheville, N. C.
Fore, F. C. (3 VAE)	Mullins	Garrett, C. F. (1 E-EE)*	Easley
Forgett, V. J. (1 E-ME)	Teaneck, N. J.	Garrett, J. C. (1 E-EE)*	Anderson
Forlidas, G. N. (1 Pre-Med)*	Clemson	Garrett, J. E. (4 ME)	Orangeburg
Forlidas, N. J. (2 TE)	Spartanburg	Garrett, J. S. (1 A&S)	Six Mile
Forr, H. J. (2 ME)	Philadelphia, Pa.	Garrett, O. S. (3 Ed)	Greenville
Fortenberry, R. O. (1 Pre-Med)*	Charlotte, N. C.	Garrison, E. W. (2 TM)	Sandy Springs
Fortune, J. C. (1 A-Ag Ec)	Pickens	Garrison, J. B. (2 A-Dairy)	Greenville
Foster, H. B. (4 Hort)	Chesnee	Garrison, J. E. (1 A-AH)	Rock Hill
Foster, J. B. (4 A&S)	Woodruff	Garrison, R. E. (3 TM)	Greenville
Foster, J. C. (1 A)*	Gramling	Garrison, R. L. (2 TM)	Pelzer
Foster, J. H. (1 TM)*	Spartanburg	Garrison, W. H. (4 Ar En)	Columbia
Foster, T. D. (2 Chem)	Spartanburg	Garvin, J. T. (1 E-Ag En)	Greenwood
Foster, W. C. (1 E-ME)*	Jonesville	Garvin, T. E. (3 AH)	Salley
Fousek, A. L. (1 E-TE)	Fair Play	Gaskin, B. H. (2 A-Hort)	Kershaw
Fowler, C. F. (1 A-AH)*	Gaffney	Gaskin, M. D. (1 Ed)	Orangeburg
Fowler, D. A. (1 E-EE)*	Union	Gassaway, H. B. (4 Dairy)	Honea Path
Fowler, H. E. (3 AH)	Greer	Gaston, G. L. (3 Arch)	Blacksburg
Fowler, R. R. (2 TM)	Laurens	Gaston, J. M. (4 Dairy)	Richburg
Fowler, S. R. (1 E-EE)*	Charlotte, N. C.	Gaulden, F. E. (4 Arch)	Laurens
Fowler, W. C. (4 Ar En)	Columbia	Gaulden, W. E. (1 E-ME)	Atlanta, Ga.
Fox, J. G. (1 A)*	West Orange, N. J.	Gause, J. E. (1 E-ME)*	Piedmont
Fox, S. W. (3 ME)	Philadelphia, Pa.	Geiger, M. H. (1 E-Ag En)	McColl
Fralick, O. H. (2 Arch)	Walterboro	Gentile, J. B. (1 E-Ag En)*	Brooklyn, N. Y.
Franklin, M. S. (3 TM)	Aiken	Gentry, F. T. (2 Ed)	Erwin, Tenn.
Fraser, W. A. (1 A&S)*	Wingham, Mass.	Gentry, J. B. (Unc)†	Clemson
		Gerrald, J. E. (3 Agron)	Galivants Ferry

ame and Course	Address	Name and Course	Address
ettys, W. A. (1 Arch)*	Gaffney	Gregg, W. A. (2 TM)	Clearwater
ibbs, J. D. (1 TM)*	Spartanburg	Gregory, C. S. (2 Ed)	St. Johns, Mich.
ibbs, J. T. (1 E-ME)*	North Augusta	Gregory, F. M. (1 E-CE)	Spartanburg
ibson, C. A. (1 A&S)*	Taylors	Gregory, J. W. (4 Agron)	Union
ibson, C. R. (3 TM)	Westminster	Gregory, T. P. (1 E-ME)*	Chester
ibson, J. H. (3 Ag En)	Chester	Gressette, F. R. (1 Pre-Med)*	St. Matthews
ibson, R. H. (4 CE)	Waynesville, N. C.	Gressette, L. M. (1 A&S)*	St. Matthews
ibson, T. J. (1 A&S)	Greenville	Gressette, W. C. (4 TM)	Florence
ibson, W. J. (2 A)	Greer	Gressette, W. N. (1 A-AH)*	St. Matthews
iddens, W. H. (1 E-CE)*	Lakeland, Ga.	Grey, W. H. (2 TM)	Greenville
illespie, F. H. (4 ME)	Greenville	Griffin, B. L. (3 EE)	Central
illespie, J. F. (3 CE)	Montgomery, Ala.	Griffin, C. R. (1 Pre-Med)*	Central
illespie, J. W. (Unc)†	Walhalla	Griffin, G. R. (1 A-Ag Ec)*	Leesville
illespie, M. R. (2 Pre-Med)	Norris	Griffin, J. A. (1 TM)	Fort Mill
illespie, R. L. (3 Pre-Med)	Tams, W. Va.	Griffin, T. M. (1 TM)*	North Augusta
illiam, H. L. (1 E-ME)*	Brevard, N. C.	Griffith, S. C. (1 A&S)*	Newberry
illmore, J. A. (1 E-Ag En)	Santuck	Griffith, W. A. (3 TM)	Lancaster
ilstrap, L. C. (1 E-Ag En)	Pickens	Griggs, C. D. (1 TM)*	Spartanburg
inn, J. P. (1 A-AH)	Varnville	Grigsby, B. L. (4 VAE)	Saluda
ioiosa, T. E. (1 Ar En)	Bethesda, Md.	Grist, W. L. (4 TM)	York
jordano, P. F. (1 A)*	Tonawanda, N. Y.	Groves, W. F. (2 Arch)	Naval Base
issendanner, J. D. (2 EE)	Columbia	Grubbs, R. J. (4 CE)	Westminster
liscoeck, J. S. (1 A)*	Catawba	Grunden, R. S. (1 Pre-Med)*	Timmonsville
lenn, B. A. (4 TM)	Greenville	Gulledge, L. M. (3 Ag Ec)	Wedgetfield
lenn, James M. (2 EE)	Anderson	Gunnin, E. A. (Unc)	Starr
lenn, Joe M. (4 TM)	Greer	Guy, J. L. (1 E-CE)*	Lake Worth, Fla.
Godshall, R. A. (1 A)*	Eastover	Guyton, R. D. (2 ME)	Pelzer
Godwin, B. P. (1 A)*	Coward	Gwinn, E. A. (1 E-TE)*	Clinton
Godwin, C. L. (1 VAE)	Summerton	Haas, P. (1 VAE)*	Union
Godwin, G. M. (1 A&S)*	Lake City	Haas, W. V. (3 TE)	Greenville
Godwin, H. F. (3 AH)	Lake City	Hackett, C. J. (1 E-ME)*	Charleston
Godwin, J. B. (1 E-Ag En)	Lake City	Haddon, F. M. (3 TM)	Anderson
Godwin, J. E. (3 Ind Ed)	Johnsonville	Hadsock, H. S. (3 TM)	McCormick
Godwin, J. L. (1 VAE)	Summerton	Hagan, C. M. (2 CE)	Longport, N. J.
Goff, D. L. (1 E-Ag En)*	Batesburg	Hagan, L. D. (3 TM)	Greenwood
Goforth, C. C. (3 VAE)	Gaffney	Hair, A. B. (2 TM)	Williamston
Gonseth, W. C. (2 CE)	Brooklyn, N. Y.	Hair, J. T. (1 E-TE)	Aiken
Goodlett, C. B. (1 Ch En)*	Travelers Rest	Hair, W. E. (2 CE)	Westminster
Goodman, W. S. (2 Pre-For)	Clemson	Hair, W. W. (2 TM)	Canadys
Gordon, J. C. (3 EE)	Liberty	Hairston, C. L. (1 E-CE)*	Clinton
Gore, C. E. (1 Ed)*	Wampee	Hale, W. R. (4 CE)	Greenville
Gorse, A. H. (2 EE)	Charleston	Halifax, J. F. (2 EE)	Savannah, Ga.
Gossett, T. C. (1 TM)	Fort Mill	Hall, A. S. (G Ed)*†	Clemson
Gough, S. W. (3 Ind Ed)	Chester	Hall, B. B. (3 A&S)	Mt. Pleasant
Grady, C. C. (1 TM)*	Spartanburg	Hall, C. E. (3 EE)	Anderson
Graham, A. T. (2 CE)	Scranton	Hall, C. L. (2 CE)	Greenville
Graham, B. J. (4 Hort)	Kenmore, N. Y.	Hall, H. T. (G Ag Ec)	Bethune
Graham, B. M. (3 TM)	Rock Hill	Hall, J. E. (1 TC)*	Jacksonville, Fla.
Graham, J. A. (2 Pre-Med)	Scranton	Hall, J. F. (1 TM)*	Anderson
Graham, J. R. (4 VAE)	Inman	Hall, P. W. (2 A-Ag Ec)	Pendleton
Graham, R. B. (4 TM)	Anderson	Hall, T. C. (2 Ag En)*	Matthews, N. C.
Grainger, C. R. (2 A)	Nichols	Hall, W. C. (1 E-CE)	Ridgeland
Grainger, E. M. (3 A)	Nichols	Hallman, R. E. (G Chem)*	Spartanburg
Grainger, H. J. (1 A-AH)	Tabor City, N. C.	Hamer, C. P. (4 Agron)	Tatum
Granade, J. M. (2 TM)	Aiken	Hamilton, C. H. (4 TM)	Atlanta, Ga.
Grant, S. J. (2 CE)	Darlington	Hamilton, E. H. (4 MF)	Seneca
Grant, W. E. (G Chem)†	Chester	Hamilton, J. E. (4 CE)	Graniteville
Gravely, N. F. (1 TM)*	Sunset	Hamilton, J. H. (3 Ag En)	Fort Mill
Gray, C. J. (3 TC)	Anderson	Hamilton, W. H. (1 A)	Garnett
Gray, G. J. (1 E-TE)*	Ware Shoals	Hamilton, W. R. (3 CE)	Durham, N. C.
Green, F. H. (4 EE)	Griffin, Ga.	Hamiter, W. L. (2 TC)	Columbia
Green, H. W. (1 E-TE)*	Cedartown, Ga.	Hamlin, P. R. (3 EE)	Brevard, N. C.
Green, J. T. (1 A-Hort)*	Sumter	Hammett, C. J. (1 A-AH)*	Kingstree
Green, J. V. (2 TM)	Fort Mill	Hammett, T. B. (4 Agron)	Inman
Greenan, J. A. (3 EE)	Philadelphia, Pa.	Hammett, W. K. (4 TC)	Inman
Greene, E. L. (3 Ar En)	Taylors	Hammond, A. F. (Unc)†	Florence
Greene, F. A. (2 CE)	Greer	Hammond, G. F. (4 VAE)	Seneca
Greene, J. C. (1 A)*	Jackson	Hammond, W. H. (1 A)*	Columbia
Greene, J. E. (1 A)	Greenville	Hampton, L. W. (3 TM)	Spartanburg
Greer, J. B. (1 A)*	Swansea	Hamrick, S. L. (4 TM)	Laurens
Greer, J. H. (1 A-AH)*	Spartanburg	Hanahan, W. O. (2 Ch En)	Charleston
Greer, J. M. (4 VAE)	Westminster	Hance, C. W. (1 A-AH)	Heath Springs
Gregg, J. H. (2 EE)	Effingham	Hance, M. H. (3 TM)	Heath Springs
Gregg, J. M. (2 A&S)	Hemingway	Hancock, A. B. (3 TM)	Ruby

Name and Course	Address	Name and Course	Address
Hancock, Harold (4 Hort)	Ruby	Hendley, D. L. (3 TM)	Greenville
Hancock, Harris (4 Hort)	Ruby	Hendricks, D. (3 AH)	Liberty
Hanks, F. L. (2 EE)	Anderson	Hendricks, R. (2 Cr En)†	Central
Hann, M. H. (1 VAE)*	Easley	Hendricks, T. E. (1 E-Ag En)*	Central
Hanna, J. E. (1 E-ME)	Woodruff	Hendrix, J. H. (3 CE)	Shelby, N. C.
Hanna, J. M. (2 ME)	Mooresville, N. C.	Henegar, J. R. (3 ME)	Spartanburg
Harbin, W. H. (2 ME)	Seneca	Henry, J. D. (4 ME)	Simpsonville
Hardee, H. B. (3 AH)	Loris	Henry, L. L. (2 A&S)	Clemson
Hardee, O. L. (3 VAE)	Anderson	Herbert, A. M. (4 ME)	Piedmont
Hardin, E. G. (G Chem)†	Clemson	Herlong, D. P. (3 Ed)	Rock Hill
Hardin, J. T. (3 TM)	Whitmire	Herlong, J. P. (2 A-AH)	Saluda
Hardman, G. (2 EE)	Warner Robins, Ga.	Heron, T. G. (4 EE)	Parr
Hardwick, J. C. (3 AH)	Conway	Herring, J. N. (1 A-AH)*	Nichols
Hardy, G. L. (1 E-Ag En)	Johnston	Herring, J. W. (4 A&S)	Spartanburg
Hare, E. B. (2 A-Hort)	Lake Wales, Fla.	Herring, L. B. (2 EE)	Dillon
Hare, J. F. (3 ME)	Lake Wales, Fla.	Hester, J. T. (2 A-AH)	Calhoun Falls
Harkins, C. S. (2 TM)	Greenwood	Hester, T. E. (1 A&S)	Pickens
Harmon, B. G. (2 TM)	Newberry	Heustess, J. C. (3 Dairy)	Winnboro
Harper, J. E. (3 TM)	Seneca	Heyer, J. L. (2 A-Agron)	Butler, Pa.
Harper, J. G. (3 Ed)	Anderson	Hicks, B. D. (4 TM)	Anderson
Harper, L. H. (2 ME)	Beaufort	Hicks, J. C. (2 A)	Apopka, Fla.
Harper, W. W. (4 TE)	Seneca	Hiers, C. (1 Pre-For)*	Charleston
Harrell, S. S. (2 A-AH)	Ferndale, Mich.	Hiers, F. R. (1 E-EE)	Bamberg
Harrelson, M. W. (G ME)†	Georgetown	Hiers, H. F. (1 Pre-For)	Charleston
Harris, G. N. (1 TM)*	Rock Hill	Hiers, J. E. (2 A-Agron)	Ehrhardt
Harris, H. S. (3 CE)	Union	Higginbotham, W. C. (1 TM)	Rowesville
Harris, M. B. (1 A-Dairy)	Anderson	High, J. W. (2 A-AH)*	Spartanburg
Harris, W. A. (4 VAE)	Westminster	High, R. E. (3 TM)	Little River
Harrison, R. W. (2 VAE)	Rock Hill	Hildebrand, E. J. (3 ME)	Washington, D. C.
Hart, E. C. (4 VAE)	Darlington	Hildebrand, N. A. (1 A-AH)*	St. Matthews
Hart, K. R. (1 TC)	Rock Hill	Hill, Charles E. (3 Hort)	Charleston
Hart, R. M. (2 A-AH)*	Florence	Hill, Clarence E. (4 TM)	Greenville
Harter, J. W. (1 Pre-Med)*	Fairfax	Hill, F. L. (1 E-ME)*	Sumter
Harvell, H. D. (1 Arch)	Greenville	Hill, F. W. (1 E-CE)*	Summerville
Harvey, N. L. (3 Ag En)	Summerville	Hill, G. B. (1 Pre-For)*	Varnville
Harvey, P. N. (3 TE)	Clover	Hill, H. L. (2 TE)	Toccoa, Ga.
Hasek, W. J. J. (4 Chem)	Carteret, N. J.	Hill, J. D. (3 ME)	Greenville
Hasell, A. H. (2 Pre-Med)	Columbia	Hill, R. L. (4 EE)	Anderson
Hastings, E. D. (3 Ag En)	Norfolk, Va.	Hill, T. E. (1 E-ME)*	Enoree
Hatchell, E. L. (2 TE)	Charleston	Hilla, E. A. (4 Arch)	Belleville, N. J.
Hatcher, C. R. (2 EE)	Graniteville	Hiller, J. W. (3 Arch)	Greenville
Hattaway, J. A. (2 EE)	Greenville	Hiller, G. D. (1 TM)*	Greenwood
Haugk, D. C. (3 TE)	Jersey City, N. J.	Hines, J. R. (3 A&S)	St. Petersburg, Fla.
Hauser, G. T. (3 TM)	Caldwell, N. J.	Hinson, E. M. (2 ME)	Columbia
Hawkins, E. H. (2 TE)	Ducktown, Tenn.	Hinson, R. L. (1 E-CE)*	Lancaster
Hawkins, G. R. (3 TM)	Newberry	Hinson, T. W. (1 Ch En)*	Lancaster
Hawkins, H. S. (1 TM)*	Rock Hill	Hinton, C. R. (3 AH)	Ninety Six
Hawkins, J. C. (4 TM)	Greenville	Hipp, C. W. (1 E-ME)	Greenwood
Hawkins, J. W. (G TC)†	North Charleston	Hipp, F. A. (1 A-AH)*	Saluda
Hawkins, M. D. (1 A-Agron)*	Hartsville	Hipp, J. F. (1 Arch)	Newberry
Hawkins, T. R. (3 Dairy)	Greenwood	Hodge, S. L. (2 Ind Phys)	Jacksonville, Fla.
Hawthorne, J. A. (2 ME)	Pittsburgh, Pa.	Hodges, F. P. (1 VAE)*	Conway
Hayden, J. L. (3 AH)	Walterboro	Hodges, W. J. (2 CE)	Ware Shoals
Hayes, G. (4 Ind Phys)	Ellenton	Hoffmann, F. C. (3 TM)	New York, N. Y.
Hayes, J. A. (1 A&S)*	Greenville	Hogg, H. R. (2 A-Dairy)	Hillside, N. J.
Hayes, R. D. (3 Hort)	Pickens	Holcombe, B. F. (3 ME)	Central
Hayes, W. C. (3 TM)	Travelers Rest	Holcombe, F. J. (2 A-Dairy)	Summit, N. J.
Hayes, W. H. (2 A-Dairy)	Harris, N. C.	Holcombe, M. W. (2 EE)	Central
Haynes, H. G. (1 Arch)	Charleston	Holden, W. I. (1 Arch)	Cleveland, Ohio
Haynes, J. W. (1 E-TE)*	Beaufort, N. C.	Holladay, C. O. (2 Ed)*	Ft. Deposit, Ala.
Haynie, G. W. (2 TM)	Belton	Holland, J. C. (3 ME)	Mooresboro, N. C.
Haynie, H. A. (4 TM)	Anderson	Holland, J. M. (1 Arch)*	Asheville, N. C.
Hazle, P. B. (3 TM)	Woodruff	Holland, R. B. (1 E-CE)*	Fountain Inn
Head, G. A. (1 E-CE)*	Arden, N. C.	Holland, R. L. (1 VAE)	McClellanville
Heape, C. (2 VAE)	Luray	Holleman, S. (G Ed)†	Seneca
Heape, O. H. (1 E-TE)*	Naval Base	Holley, E. E. (3 AH)	Aiken
Hearon, A. P. (1 E-TE)*	Darlington	Holliday, W. F. (2 ME)	Piedmont
Heasley, S. M. (2 EE)	Moncks Corner	Holliday, W. T. (2 TE)	Greer
Hedden, F. F. (2 Pre-Med)	Walhalla	Hollingsworth, R. T. (1 A-AH)	Cross Hill
Hedden, J. R. (1 E-ME)	Baden, N. C.	Hollis, C. E. (4 TM)	Central
Hefley, E. M. (1 E-TE)	Rock Hill	Hollowell, J. G. (2 Pre-Med)	Mt. Pleasant
Helm, W. R. (1 Pre-For)*	Albany, Ga.	Holmes, C. F. (1 E-TE)*	Greenville
Helms, W. E. (4 Arch)	Molino, Fla.	Holmes, J. C. (2 VAE)	Conway
Henderson, G. M. (1 A)*	Moncks Corner	Holmes, W. G. (3 TE)	Danville, Va.

Name and Course	Address	Name and Course	Address
Holroyd, R. F. (4 A&S)	Anderson	Hutson, A. C. (1 Pre-Med)	Seabrook
Holt, J. E. (2 ME)	Sellers	Hutto, G. A. (1 TC)	Fort Mill
Hood, B. B. W. (1 Chem)*	West Columbia	Hutto, J. W. (1 Pre-Vet)*	Holly Hill
Hood, C. D. (3 EE)	McCormick	Huxford, T. C. (2 Ag En)	Bonneau
Hood, J. J. (1 A-AH)*	Ridgeway	Hyland, C. M. (4 Arch)	Braintree, Mass.
Hood, W. C. (4 Ch En)	Easley	Iler, C. B. (2 TM)	Greenville
Hook, L. J. (1 E)	Columbia	Ingram, H. W. (2 ME)	Rockingham, N. C.
Hooper, J. B. (4 TM)	Anderson	Ingram, J. H. (2 TM)	Greenwood
Hooton, W. A. (3 TM)	North Augusta	Inman, C. M. (4 AH)	York
Hoover, E. A. (1 E-ME)	North Charleston	Inman, G. A. (1 A-Ent)	Columbia
Hoover, J. A. (2 ME)	North Charleston	Irby, C. R. (1 E-EE)*	Pelzer
Hope, R. M. (3 Poul)	Rock Hill	Ireland, C. P. (2 A)	Savannah, Ga.
Hopkins, M. H. (1 E-Ag En)*	Hopkins	Isenhour, E. F. (2 CE)	Newton, N. C.
Hord, H. E. (4 EE)	Sharon	Isenhour, G. R. (4 TM)	Hickory, N. C.
Horne, B. S. (4 A&S)	Charleston	Islam, M. H. (G TC)†	Pakistan, India
Horne, C. C. (4 EE)	Loris	Ivey, W. D. (1 A-AH)*	Hemingway
Horne, G. L. (1 VAE)*	Jonesville	Jackson, J. M. (1 TM)*	Slater
Horne, J. S. (1 Pre-Vet)*	St. George	Jackson, J. W. (3 ME)	Graniteville
Hornick, F. J. (3 VAE)	Fair Play	Jackson, R. A. (2 Pre-Med)	Kingstree
Horton, C. A. (1 TM)*	Brunswick, Ga.	Jackson, T. H. (1 Arch)*	Clemson
Horton, S. R. (4 TM)	Rock Hill	Jackson, W. S. (1 Pre-Vet)*	Sumter
Horton, W. H. (1 A-Dairy)*	Pendleton	Jacobs, R. F. (4 ME)	West Columbia
Houston, W. M. (4 CE)	Easley	James, E. F. (1 E-EE)*	Hingham, Mass.
Howard, L. T. (1 TC)	Fort Mill	James, F. L. (1 Pre-Med)*	Lake North, Fla.
Howard, R. I. (1 TM)	Greenwood	James, J. H. (4 ME)	Statesville, N. C.
Howard, R. S. (2 Pre-Med)	Albany, Ga.	James, R. E. (1 TM)	Wellfleet, Mass.
Howe, D. W. (2 VAE)	Hickory Grove	Jameson, J. D. (2 CE)	Greenville
Howell, J. H. (3 TC)	Columbia	Jameson, J. M. (2 A-AH)	Liberty
Howell, J. I. (4 Pre-Med)	New York, N. Y.	Jameson, R. A. (1 A)*	Liberty
Howey, E. D. (1 VAE)	Fort Mill	Jarrett, F. A. (4 TM)	Chester
Howie, C. O. (2 TE)	Mooresville, N. C.	Jeffcoat, D. E. (1 E-ME)*	Fairfax
Howle, C. W. (2 Chem)	Florence	Jeffcoat, R. B. (1 E-EE)*	Swansea
Hubert, A. T. (1 A)	Lexington, Va.	Jeffords, C. Q. (4 ME)	Florence
Huckabee, J. L. (4 TM)	Marion	Jeffords, T. H. (3 AH)	Florence
Hucks, C. C. (3 Ag En)	Aynor	Jenkins, A. C. (4 Agron)	Clemson
Hudgens, J. M. (4 EE)	Laurens	Jenkins, H. H. (2 Chem)	Atlanta, Ga.
Hudson, H. A. (4 VAE)	Walhalla	Jenkins, H. S. (4 Hort)	Wadmalaw Island
Hudson, J. C. (1 Ed)	North Charleston	Jenkins, R. F. (G TC)†	Charleston
Hudson, J. P. (2 ME)	Decatour, Ga.	Jenkins, W. J. (4 Hort)	Osborn
Hudson, J. W. (3 TM)	Greenville	Johns, G. J. (3 EE)	Pittsburgh, Pa.
Hudson, R. L. (1 E-ME)*	Sarasota, Fla.	Johns, M. W. (1 TC)*	Charleston
Hudson, R. W. (2 Ed)	North Charleston	Johnson, C. L. (4 Ar En)	Sumter
Huey, R. B. (1 Chem)*	Cheraw	Johnson, C. Mitchell (3 A&S)	Tampa, Fla.
Huff, P. L. (1 E-CE)	Greenville	Johnson, Clifton M. (1 A-AH)*	Sumter
Huffman, J. E. (1 TM)*	Greenville	Johnson, F. M. (2 A-AH)	Effingham
Huffman, J. L. (4 VAE)	Newberry	Johnson, G. L. (1 VAE)*	Burgess
Huggin, C. B. (2 VAE)	Gaffney	Johnson, G. F. (1 TM)*	McColl
Huggins, C. B. (1 A-Agron)*	Aynor	Johnson, H. F. (1 Ed)	Inman
Huggins, E. B. (1 TM)*	Lancaster	Johnson, H. P. (1 TM)	Lancaster
Huggins, E. M. (1 A-AH)*	Dillon	Johnson, H. T. (4 VAE)	Inman
Huggins, F. H. (1 A-Agron)*	Nichols	Johnson, J. E. (2 ME)	Reidsville, N. C.
Huggins, K. L. (3 Agron)	Mullins	Johnson, J. R. (1 Ar En)	Orangeburg
Huggins, T. E. (1 E-EE)	Hemingway	Johnson, L. C. (2 Pre-Med)	Charleston
Huggins, W. S. (1 Ed)*	Franklin, N. C.	Johnson, M. C. (1 A-Dairy)*	Blackville
Hughes, D. G. (Unc)†	Union	Johnson, R. B. (3 AH)	Sumter
Hughes, H. W. (3 Ar En)	Martinez, Ga.	Johnson, R. D. (2 CE)	Charlotte, N. C.
Hughes, O. L. (1 A)*	Cordova	Johnson, R. N. (2 CE)	Marion
Hughes, R. L. (3 VAE)	Leesville	Jolley, B. B. (2 TM)	Fitzgerald, Ga.
Hughes, W. T. (2 ME)	Montmorenci	Jolly, J. (4 ME)	Gaffney
Huguley, B. L. (3 Ed)	McCormick	Jolly, L. (1 E-EE)*	Union
Hulon, H. E. (3 TM)	Union	Jones, A. L. (3 Ag En)	Saluda
Humphrey, S. W. (1 E-Ag En)	Bethune	Jones, C. C. (1 E-TE)*	Greenville
Humphries, H. C. (1 E-ME)*	Sumter	Jones, C. E. (3 TM)	Gaffney
Hunt, R. C. (2 TE)	Winnsboro	Jones, D. M. (4 Agron)	Glenn Springs
Hunter, J. R. (4 Arch)	Lancaster	Jones, E. E. (1 E-ME)	Savannah, Ga.
Hunter, J. W. (3 AH)	Liberty	Jones, E. W. (1 Pre-For)*	Murrells Inlet
Hunter, M. P. (4 AH)	Lanford	Jones, Grady R. (1 TM)	Belton
Hunter, R. J. (1 A-Dairy)	Lancaster	Jones, Guy R. (3 AH)	Buffalo
Hunter, T. E. (1 E-ME)*	Brunswick, Ga.	Jones, G. W. (4 TM)	Bishopville
Hurey, R. E. (1 E-ME)*	Savannah, Ga.	Jones, J. O. (3 TM)	Greenville
Hurt, H. C. (1 A&S)	Greenwood	Jones, M. L. (2 A-AH)	Lugoff
Hutchenson, D. R. (2 Ch En)	Wagener	Jones, R. M. (G VAE)†	Starr
Hutchins, D. C. (4 VAE)	Walhalla	Jones, W. A. (4 Ag En)	Neeses
Hutchinson, C. G. (4 VAE)	Nichols	Jones, W. E. (2 ME)	Durham, N. C.

Name and Course	Address	Name and Course	Address
Jones, W. H. (1 E-ME)*	Woodruff	Kohn, S. H. (3 Ind Ed)	Charleston
Jordan, H. A. (3 Agron)	Hartsville	Koon, J. A. (3 TM)	Whitmire
Jordan, J. Earle (1 A-AH)	Florence	Koon, R. B. (2 TC)	Lancaster
Jordan, J. Edward (2 EE)	Greer	Kota, V. (PG TE)*	Hyderabad, India
Jordon, E. D. (1 E-Ag En)*	Hartsville	Kozlow, A. (3 ME)	Philadelphia, Pa.
Jowers, Q. A. (3 VAE)	Williston	Krause, J. G. (2 A-Dairy)	Union Mills, N. C.
Joyce, H. S. (4 Ag En)	Stoneville, N. C.	Krissak, R. F. (2 Ch En)	Carteret, N. J.
Judy, D. T. (1 E-Ag En)	Orangeburg	Kurgvel, J. (1 A)*	Tallinn, Estonia
Justice, W. G. (2 CE)	Spartanburg	Kythe, H. W. (1 TM)	La France
Justus, H. A. (2 A-AH)	Hendersonville, N. C.	Labra, G. P. (4 Ar En)	Brooklyn, N. Y.
Kalinowski, H. W. (1 A-Ag Ec)*		Laffoda, W. C. (4 A&S)	Lamar
	Irvington, N. J.	Lambert, J. W. (3 TM)	Woodruff
Kane, M. A. (1 Ed)*	Milburn, N. J.	La Montagne, J. L. (1 TM)	Sumter
Karlonas, J. L. (1 Ed)*	Nashau, N. H.	Lancaster, C. E. (1 A)*	Tabor City, N. C.
Kates, G. S. (3 TE)	Anderson	Land, J. E. (3 ME)	Buffalo
Kay, D. O. (2 TM)	Chesnee	Lander, W. T. (Unc)*†	Williamston
Kay, R. J. (3 TE)	Trenton, N. J.	Landrum, J. B. (4 Ar En)	Columbia
Kea, H. M. (3 AH)	Rocky Ford, Ga.	Langley, I. L. (4 TM)	Lynchburg, Va.
Keasler, R. L. (3 TM)	Westminster	Langston, M. A. (4 Agron)	Timmonsville
Keene, W. M. (4 Arch)	Spartanburg	Langston, T. A. (1 TM)*	Central
Keith, J. R. (1 Pre-For)*	Atlanta, Ga.	Lanham, J. P. (4 Dairy)	Edgefield
Keitt, J. W. (1 A)*	Orangeburg	LaRoche, J. J. (2 ME)	Charleston
Keller, J. H. (1 Ar En)*	Gaffney	Latham, R. C. (G Ag Ec)†	Clemson
Kelley, C. M. (1 A-Ag Ec)*	Lake City	LaTorre, E. B. (1 Ar En)	Charleston
Kelly, J. W. (3 Arch)	Central	Laurence, W. B. (1 Pre-For)*	Greenville
Kelly, R. L. (2 VAE)*	Forest City, N. C.	Lawhon, R. S. (1 E-ME)*	Hartsville
Kelly, W. D. (3 Agron)	Leesville	Lawrence, J. R. (1 Ar En)	Greenville
Kempson, O. B. (1 A-Agron)	Kingstree	Lawrence, R. T. (4 Arch)	Memphis, Tenn.
Kendrick, T. B. (4 Arch)	Spartanburg	Lawrimore, B. S. (1 A-Ag Ec)*	Conway
Kennedy, C. W. (2 TE)	Greenville	Lawrimore, C. P. (1 VAE)*	Hemingway
Kennedy, F. D. (1 TM)	Midland, Pa.	Lawrimore, I. B. (3 Agron)	Hemingway
Kennette, G. L. (2 TM)	Wellford	Lawrimore, R. C. (1 A-Poul)	Georgetown
Kennette, T. F. (1 TM)	Wellford	Lawson, L. C. (2 A-Agron)	Darlington
Kennington, V. W. (1 TM)	Lancaster	Lawton, H. T. (2 Arch)	Estill
Kerr, W. E. (3 VAE)	Pineville, N. C.	Lay, C. W. (3 Ag En)	West Union
Kersey, R. N. (Unc)†	Clemson	Layton, R. D. (2 TM)	Anderson
Kesler, P. L. (3 CE)	Lavonia, Ga.	Leach, J. D. (1 Ar En)	Blacksburg
Key, J. T. (3 EE)	Columbia	Leavy, C. F. (4 CE)	Brunswick, Ga.
Killingsworth, A. B. (4 EE)	Aiken	Lee, J. (1 A-Dairy)*	Landrum
Kilpatrick, J. C. (1 Ch En)	Charleston	Lee, Q. C. (1 E-CE)*	Alcolu
Kinard, G. P. (1 E-Ag En)*	Clemson	Lee, R. F. (1 E-CE)*	Albany, Ga.
Kinard, H. J. (2 TE)	Greenwood	Lee, T. B. (1 TM)*	Gaffney
Kinard, R. H. (4 Agron)	Islandton	Lefort, H. G. (3 Cr En)	Upper Marlboro, Md.
Kinard, W. H. (1 E-ME)*	Ninety Six	LeGette, M. A. (3 Ind Phys)	Westminster
Kinard, W. J. (1 E-Ag En)	Smoaks	LeGrand, D. C. (3 TM)	Greenville
King, C. H. (1 Ed)*	Townville	Lehman, E. H. (2 TC)*	Montreal, Canada
King, F. D. (1 A-Agron)	Seneca	Lehman, J. H. (1 VAE)	Montreal, Canada
King, Harry L. (2 CE)	Atlanta, Ga.	Leitner, J. A. (1 A-AH)*	Irmo
King, Henry L. (3 CE)	Calhoun	Leland, A. W. (2 A-AH)	
King, J. A. (1 E-TE)*	Florence		Wadmalaw Island
King, J. C. (3 Ag En)	McBee	Leonard, R. L. (1 A&S)*	Columbia
King, J. L. (2 A-Agron)	Greenville	Leopard, E. M. (4 TM)	Woodruff
King, L. C. (1 TM)	West Columbia	LeRoy, P. S. (1 E-ME)*	Troy
King, L. O. (3 Ar En)	Anderson	Lesslie, W. P. (3 Pre-Med)	Rock Hill
King, M. J. (4 A&S)	Belton	Lever, O. R. (4 A&S)	Naval Base
King, R. L. (2 TM)	Abbeville	Lever, R. L. (1 A-AH)*	Fairfield, Conn.
King, T. A. (2 TM)	Anderson	Lewis, D. B. (4 AH)	Mullins
Kingsmore, H. D. (1 Ed)*	Pendleton	Lewis, H. W. (2 A-Dairy)	Yonkers, N. Y.
Kinlaw, J. A. (3 VAE)	Lumberton, N. C.	Lewis, R. M. (1 A)*	Myrtle Beach
Kirby, C. (1 Ar En)*	Columbia	Lewis, W. H. (4 TM)	Pickens
Kirby, D. A. (4 AH)	Timmonsville	Lewis, W. L. (2 EE)	Calhoun, Ga.
Kirby, W. M. (4 TM)	Laurens	Leysath, J. C. (1 E-CE)*	North
Kirby, W. S. (1 E-Ag En)*	Cowpens	Liakos, J. T. (1 Cr En)*	Florence
Kirkpatrick, W. B. (2 A)	Winnboro	Liebenrood, A. E. (3 AH)	Mt. Pleasant
Kirsch, I. (2 TE)	Arverne, N. Y.	Liebenrood, G. H. (4 AH)	Mt. Pleasant
Kiser, J. R. (1 TM)	Cherokee Falls	Lightsey, H. M. (3 AH)	Columbia
Klineck, D. C. (3 ME)	North Augusta	Ligon, C. L. (2 ME)	Heath Springs
Knight, A. M. (2 EE)	Simpsonville	Ligon, W. E. (1 A)	Easley
Knight, E. R. (3 Ag En)	Cheraw	Lindell, L. (2 EE)	Brooklyn, N. Y.
Knight, J. C. (3 EE)	Summerville	Lindler, B. J. (1 VAE)	Saluda
Knight, O. W. (1 E-ME)*	Kershaw	Lindler, F. M. (2 ME)	Startex
Knight, R. H. (3 Ed)	Rock Hill	Lindsay, J. (1 Pre-Med)*	Clemson
Knight, W. D. (2 TE)	Aiken	Lindsay, J. B. (4 Arch)	Clemson
Knoebel, F. W. (3 TM)	West Orange, N. J.	Lindsay, J. D. (1 A-Agron)	Clemson

Name and Course	Address	Name and Course	Address
Lindsay, J. N. (3 EE)	Anderson	McCown, C. D. (2 ME)	Effingham
Lindsay, R. J. (2 TM)	Clemson	McCoy, H. E. (1 E-Ag En)*	Bishopville
Lindsey, F. M. (2 CE)	Pendleton	McCoy, L. T. (4 Arch)	Belton
Lindsey, G. E. (1 E-ME)*	Seneca	McCoy, T. R. (4 Ar En)	Anderson
Lindstedt, G. W. (3 A&S)	Holly Hill	McCracken, W. R. (3 VAE)	Waynesville, N. C.
Linens, J. L. (1 TM)*	Graham, N. C.	McCrary, R. K. (3 ME)	Greenville
Lingo, J. W. (1 Ar En)*	Greenville	McCrary, W. H. (1 E-ME)*	Greenville
Link, J. B. (3 CE)	McCormick	McCravy, J. R. (1 Arch)*	Easley
Lipton, J. J. (4 Pre-Med)	Beaufort	McCreight, C. R. (3 Arch)	Columbia
Liston, J. M. (1 VAE)*	Smoaks	McCulloch, J. T. (Unc)*	Charlotte, N. C.
Liston, J. W. (3 A&S)	Smoaks	McCullough, T. A. (1 E-TE)	Hendersonville, N. C.
Little, J. M. (1 A-Agron)*	Kelton	McCurry, T. M. (4 Ch En)	Anderson
Littlejohn, G. W. (4 VAE)	Cowpens	McDonald, G. S. (4 TM)	Chester
Littlejohn, J. N. (3 Hort)	Sumter	McDonald, H. M. (3 Agron)	Hartsville
Littlejohn, L. H. (1 E-CE)*	Spartanburg	McDonald, M. E. (2 CE)	Ashburn, Ga.
Littlejohn, L. S. (3 VAE)	Greenville	McDonald, W. A. (4 Arch)	Johnson City, Tenn.
Livingston, A. C. (1 TM)	Ninety Six	McDowell, E. A. (2 Pre-Vet)*	Laurens
Livingston, J. P. (2 A-Agron)	Springfield	McDowell, E. D. (1 A)	Elliott
Livingston, M. W. (4 AH)	North	McDowell, L. A. (2 VAE)	Inman
Livingston, O. W. (3 TM)	Columbia	McElmurray, E. W. (1 A)*	North Augusta
Livingston, T. G. (1 E-TE)*	Neeses	McElmurray, J. G. (1 E-Ag En)*	Augusta, Ga.
Locke, D. F. (3 ME)	Spartanburg	McElveen, G. R. (1 E-TE)*	Columbia
Lockman, W. D. (4 ME)	Chesnee	McElveen, M. F. (3 VAE)	Florence
Long, C. W. (3 TE)	Conway	McFaddin, G. M. (1 A-AH)*	Mayesville
Long, J. S. (2 TE)	Piedmont	McFalls, D. L. (4 Ind Phys)	Cliffsides, N. C.
Long, R. H. (1 A-AH)*	Union	McGaba, G. V. (1 E-ME)*	Spartanburg
Long, R. M. (4 TM)	Edgemoor	McGee, E. T. (3 Ag En)	Anderson
Long, R. O. (3 CE)	Walhalla	McGee, J. G. (2 A-Ag Ec)	Hartsville
Lorelle, R. J. (1 E-PE)*	Brooklyn, N. Y.	McGill, A. C. (1 E-ME)	Charlotte, N. C.
Lorelle, R. R. (3 AH)	Brooklyn, N. Y.	McGill, J. B. (2 Ag En)	Anderson
Lorick, D. A. (1 E-ME)*	Lexington	McGinty, R. A. (PG Arch)	Clemson
Lovelace, L. H. (4 A&S)	Gaffney	McGlohan, N. E. (1 A-Agron)*	Laurens
Lovelace, O. F. (4 Dairy)	Prosperity	McGraw, H. G. (Unc)*	Clemson
Lovell, G. A. (4 TM)	Liberty	McGraw, J. F. (1 Ed)	Hendersonville, N. C.
Lowery, R. J. (1 Ch En)*	Lancaster	McGregor, D. D. (3 CE)	Chesterfield
Lowery, R. M. (1 Arch)	Greenville	McGregor, W. A. (1 VAE)*	Pendleton
Loy, V. A. (2 A-Ent)	Florence	McGregor, W. H. D. (4 A&S)	Greenville
Lubash, V. I. (4 TM)	New York, N. Y.	McGuinn, J. H. (1 A&S)*	Chester
Lucas, C. C. (2 VAE)	Gaston	McGuire, H. N. (4 TC)	Clemson
Lunn, J. E. (3 Agron)	Florence	McHann, F. P. (1 E-CE)*	Albany, Ga.
Lusk, J. A. (4 Arch)	Johnson City, Tenn.	McIntyre, J. B. (4 TM)	Arcadia
Lusk, L. J. (2 TM)	Greenville	McIntyre, J. W. (1 E-EE)*	Rockingham, N. C.
Lyda, H. R. (2 VAE)	Edneyville, N. C.	McIsaac, D. B. (1 A)*	Kershaw
Lynes, R. M. (PG ME)	Fairfax	McIver, Q. Y. (1 E-ME)*	Ninety Six
Lyons, G. E. (1 E-ME)*	Yemassee	McKay, R. (3 Ed)	Washington, D. C.
Lyons, J. L. (3 TM)	Beaufort	McKee, G. A. (3 CE)	Mooreville, N. C.
Lytle, W. A. (1 Chem)	Tyrone, Pa.	McKee, J. L. (4 Ent)	Chester
McAlister, J. (1 A-AH)*	Easley	McKee, R. E. (1 E-TE)*	Greenwood
McBride, L. M. (4 EE)	Parkersburg, N. C.	McKinnell, R. E. (3 ME)	Florence
McCachern, J. G. (1 E-EE)	Concord, N. C.	McKinney, D. L. (4 TM)	Spartanburg
McCall, D. L. (4 Ag Ec)	Hendersonville, N. C.	McKinney, R. B. (4 TM)	Pickens
McCall, H. E. (3 AH)	Hendersonville, N. C.	McKinney, S. J. (3 ME)	Greenville
McCall, P. L. (2 A-Agron)	Hartsville	McLaurin, A. H. (4 A&S)	Bennettsville
McCall, W. R. (2 Arch)	Hartsville	McLaurin, C. D. (1 VAE)	Blenheim
McCants, J. G. (4 TM)	Winnboro	McLaurin, D. K. (1 E-CE)*	Bethune
McCarter, J. T. (1 E-ME)*	Taylors	McLaurin, J. F. (4 Pre-Med)*	Bennettsville
McCarter, M. W. (1 A-Agron)*	Clover	McLean, J. N. (3 A&S)	Greenville
McCarty, T. H. (1 A)*	Princeton, N. J.	McLees, J. H. (2 Pre-For)	Greenville
McCaskill, A. L. (1 A-Dairy)*	Bishopville	McLellan, H. C. (1 A)*	Dillon
McCaskill, M. J. (3 Agron)	Bethune	McLendon, C. R. (3 A&S)	Columbus, Ga.
McCauley, W. H. (2 ME)	Greenville	McLendon, L. J. (1 E-EE)*	Albany, Ga.
McClellan, H. H. (4 TE)	Anderson	McLeod, A. C. (1 A)	McBee
McClure, C. M. (1 Cr En)*	Anderson	McLeod, G. T. (4 TM)	Greenville
McClure, F. A. (4 EE)	Varnville	McLeod, H. E. (4 Ag En)	Rembert
McClure, J. W. (1 E-ME)*	Anderson	McLeod, J. F. (3 AH)	Chesterfield
McClure, W. H. (1 E-Ag En)	Landrum	McMahan, J. D. (4 TM)	Columbia
McCombs, C. W. (3 TM)	Easley	McMahan, R. A. (1 Arch)*	Columbia
McCommas, J. A. (4 AH)	Elizabethtown, N. C.	McMeekin, T. C. (3 Dairy)	Glenside, Pa.
McConnell, H. E. (3 EE)	Piedmont	McMillan, H. C. (4 Ar En)	Spartanburg
McConnell, J. E. (3 AH)	Seneca	McMillan, J. P. (2 A-AH)	Mullins
McCord, A. S. (2 ME)	Charlotte, N. C.		
McCormac, E. A. (1 E-Ag En)*	Dillon		
McCormick, L. S. (3 EE)	Orangeburg		

Name and Course	Address	Name and Course	Address
McMillan, L. L. (3 Arch) -----	Spartanburg	Maxwell, T. L. (1 A-Agron)* -----	Hartsville
McMillan, M. (2 Arch)* -----	Greenville	Mays, K. W. (2 TM) -----	Columbia
McMillan, M. K. (1 A-AH)* -----	Mullins	Mays, W. M. (2 Ind Ed) -----	Walhalla
McMillan, S. (1 E-ME) -----	Mullins	Mayson, J. M. (4 VAE) -----	McCormick
McMillan, T. W. (2 TM) -----	Central	Meador, L. N. (1 E-ME)* -----	Orangeburg
McMillan, W. J. (3 Agron) -----	Allendale	Medford, W. H. (1 TM)* -----	Buffalo
McMullan, J. H. (4 Ag En) -----	Cornelia, Ga.	Medlin, E. W. (4 AH) -----	Hartsville
McNair, S. M. (3 Dairy) -----	Hartsville	Meech, F. R. (1 VAE)* -----	Columbia
McPherson, J. M. (1 Pre-Med)* -----	Dickinson, Tex.	Meiburg, C. O. (2 A&S) -----	Clemson
McPherson, P. (3 TM) -----	Lockhart	Melnik, J. (2 TM) -----	Brooklyn, N. Y.
McPherson, W. D. (1 E-CE)* -----	Waterloo	Melnik, W. G. (4 Ar En) -----	Brooklyn, N. Y.
McTeer, H. C. (2 TC) -----	Columbia	Melton, R. E. (1 Ed)* -----	Sylvester, Ga.
McWhorter, C. F. (2 ME) -----	Liberty	Menendez, R. I. (3 Ind Ed) -----	Charleston
Mabry, C. M. (1 TM)* -----	Fort Mill	Mercer, W. E. (3 CE) -----	McClellanville
Mabry, C. R. (2 TE) -----	Greenville	Merchant, V. E. (4 Pre-Med) -----	Barnwell
Macaulay, H. H. (Unc)*† -----	Clemson	Meredith, J. R. (4 VAE) -----	Seneca
MacDonald, P. F. (4 EE) -----	Charleston	Merians, S. (3 TM) -----	Oxford, N. J.
Machen, R. H. (3 TM) -----	Greenville	Merritt, H. C. (4 Arch) -----	Columbia
Mack, J. H. (4 Arch)† -----	Garnett	Messer, J. T. (1 TM)* -----	Inman
Madden, I. E. (1 TM)* -----	Greenwood	Metz, W. W. (4 TM) -----	Iva
Maddox, C. J. (4 AH) -----	Gaffney	Metzger, C. B. (1 TM)* -----	Wynnewood, Pa.
Maddling, G. J. (1 Arch) -----	Memphis, Tenn.	Michael, M. G. (4 TC) -----	Linwood, N. C.
Magill, H. F. (3 TE) -----	Concord, N. C.	Middleton, R. E. (1 Ch En)* -----	Clearwater, Fla.
Mahaffey, C. R. (1 TM)* -----	Fort Mill	Middleton, W. H. (1 Ed)* -----	Chesterfield
Major, J. E. (2 Pre-Med) -----	Pahokee, Fla.	Mihlstein, M. (1 TM)* -----	Brooklyn, N. Y.
Major, W. R. (1 Arch)* -----	Williamston	Milford, T. J. (1 E-EE)* -----	Ware Shoals
Maloney, C. S. (1 E-Ag En)* -----	Adel, Ga.	Milford, W. B. (1 E-Ag En)* -----	Iva
Malphrus, J. L. (1 E-CE)* -----	Ridgeland	Miller, B. C. (1 Arch) -----	Asheville, N. C.
Malphrus, T. W. (3 Ar En) -----	Ridgeland	Miller, B. I. (2 TE) -----	Honea Path
Mangrum, W. C. (2 A) -----	Franklin, Tenn.	Miller, F. D. (3 TM) -----	Newberry
Mangum, D. (3 AH) -----	Spartanburg	Miller, H. L. (1 A-AH)* -----	Campobello
Mann, T. C. (4 Pre-Med) -----	Greenville	Miller, J. M. (1 A)* -----	Bennettsville
Manning, C. M. (1 A-Ag Ec)* -----	Maplesville, Ala.	Miller, R. J. (4 Poul) -----	Atlanta, Ga.
Manning, W. M. (4 Hort) -----	Columbia	Miller, R. L. (1 Chem)* -----	Clearwater
Manos, J. P. (2 Ed) -----	Brooklyn, N. Y.	Miller, R. W. (1 TM) -----	Augusta, Ga.
Mappus, F. J. (4 ME) -----	Charleston	Miller, S. J. (2 ME) -----	Belton
March, T. H. (1 A-AH)* -----	East McKeesport, Pa.	Miller, W. F. (1 A-Hort)* -----	Columbia
Marett, J. D. (2 VAE) -----	Greenville	Milling, D. L. (2 ME) -----	Haddonfield, N. J.
Marlar, J. W. (1 E-EE)* -----	Fountain Inn	Mills, H. H. (1 A-AH)* -----	Ridgeland
Marshall, J. C. (1 TM)* -----	Heath Springs	Millsap, J. R. (1 VAE)* -----	Gable
Marshall, W. C. (4 VAE) -----	Heath Springs	Milne, W. (PG Arch) -----	East Lansing, Mich.
Marthers, W. C. (3 AH) -----	Winnboro	Mims, J. A. (3 ME) -----	Florence
Martin, A. N. (2 ME) -----	Winston-Salem, N. C.	Minshaw, C. T. (4 Ind Ed) -----	Johns Island
Martin, C. F. (1 A)* -----	Elloree	Minshaw, R. H. (1 E-ME) -----	Johns Island
Martin, E. M. (4 VAE) -----	Sumter	Minton, R. H. (2 A&S) -----	Johns Island
Martin, J. A. (2 ME) -----	Rock Hill	Mintz, T. M. (1 VAE)* -----	Blacksburg
Martin, L. R. (G Ed)*† -----	Pendleton	Mitchell, A. D. (1 Ch En)* -----	Laurens
Martin, T. H. (2 EE) -----	Greenville	Mitchell, J. T. (1 TM)* -----	Caroleen, N. C.
Martin, W. E. (1 TM) -----	Greenville	Mitchell, L. S. (4 CE) -----	Walterboro
Martin, W. H. (1 E-ME) -----	Williston	Mitchell, R. T. (1 E-TE) -----	Greenville
Martin, W. T. (3 TM) -----	Lawndale, N. C.	Mitchell, W. H. (2 Ag En) -----	Mt. Pleasant
Maske, C. D. (1 E-CE)* -----	Charlotte, N. C.	Mixon, L. J. (2 ME) -----	Dundee, Fla.
Mason, C. L. (3 Ag En) -----	Madison, Ga.	Mixon, R. F. (1 A&S)* -----	Clemson
Mason, H. D. (3 Agron) -----	Westminster	Mize, L. (2 EE) -----	Walhalla
Mason, R. W. (2 TM) -----	Rock Hill	Mobley, B. L. (1 TM)* -----	Kershaw
Mason, Z. T. (3 VAE) -----	Manning	Mobley, C. N. (1 E-TE)* -----	Greenville
Massey, C. R. (2 TM) -----	Walhalla	Mobley, E. C. (1 Ch En)* -----	Lancaster
Massey, D. R. (1 TM)* -----	Fort Mill	Mobley, G. A. (3 TE) -----	Simpsonville
Masters, W. H. (2 TM) -----	Easley	Monk, L. B. (2 Ag En)* -----	Roxboro, N. C.
Mathews, G. R. (1 E)* -----	Miami, Fla.	Monroe, W. E. (3 A&S) -----	Clemson
Mathews, R. D. (3 Dairy) -----	McKeesport, Pa.	Monroeth, E. W. (1 E-EE)* -----	North Augusta
Mathis, B. W. (4 TM) -----	Pacolet Mills	Monts, D. D. (2 A-Agron) -----	Sandersville, Ga.
Mathis, E. H. (2 A-Ag Ec) -----	Columbia	Moody, B. D. (2 A) -----	Dillon
Mathews, D. M. (3 ME) -----	Charlotte, N. C.	Moody, R. J. (3 ME) -----	Greenville
Mathews, G. U. (1 E-Ag En) -----	Hemingway	Mooney, C. W. (3 Ed) -----	Starke, Fla.
Mathews, S. J. (3 Agron) -----	Scranton	Mooneyhan, J. L. (3 TM) -----	West Columbia
Mathews, T. E. (2 A&S) -----	Charlotte, N. C.	Moore, D. W. (2 TM) -----	Greenville
Mathews, W. D. (4 A&S) -----	Manning	Moore, E. M. (1 TM)* -----	Greenville
Mattox, W. R. (4 A&S) -----	Columbia	Moore, E. W. (4 Ent) -----	Westminster
Mauldin, J. E. (4 CE) -----	Anderson	Moore, G. H. (1 E-ME)* -----	Chester
Mauldin, W. A. (4 CE) -----	Anderson	Moore, H. C. (1 E-Ag En) -----	Inman
		Moore, J. H. (1 E-ME)* -----	Toccoa, Ga.
		Moore, Jack L. (1 A-AH) -----	Calhoun, Ga.
		Moore, John L. (1 TM)* -----	Cooleemee, N. C.

Name and Course	Address	Name and Course	Address
Moore, J. P. (3 ME)	Augusta, Ga.	Nelson, K. E. (2 Cr En)	Greenville
Moore, J. T. (2 EE)	Union	Nelson, V. W. (3 Ar En)	Philadelphia, Pa.
Moore, J. William (3 ME)	Columbus, Ga.	Nesbit, W. J. (1 A&S)	St. Petersburg, Fla.
Moore, J. Wylie (1 E-TE)*	Chester	Nettles, B. L. (3 EE)	Charleston
Moore, M. S. (2 A-Hort)	Charleston	Neville, L. F. (1 Arch)*	Newberry
Moore, P. N. (3 TM)	Sumter	New, F. H. M. (1 E-EE)	Glendale
Moore, R. E. (3 AH)	Duncan	Newcomer, G. C. (1 E-EE)	Nashville, Tenn.
Moore, R. L. (2 CE)	Charlotte, N. C.	Newman, G. W. (2 TM)	Columbia
Moore, V. O. (4 Ag Ec)	Lake City	Nesbome, W. E. (1 Pre-Med)	Sandersville, Ga.
Moore, W. Carroll (1 A&S)*	Greenwood		
Moore, W. Clarence (1 Pre-Med)*	Asheville, N. C.	Newton, A. F. (3 Ind Ed)	Clemson
		Newton, C. G. (PG AH)	Myrtle Beach
Moore, W. E. (1 Arch)	Charleston	Newton, E. (3 EE)	Chester
Moore, W. F. (1 Chem)*	Taylors	Newton, J. B. (4 AH)	Myrtle Beach
Moore, W. G. (1 E-Ag En)	Olanita	Newton, P. B. (3 A&S)	Dillon
Moore, W. H. (2 TM)*	Charlotte, N. C.	Nichols, C. M. (3 CE)	Leesville
Moore, W. L. (3 TE)	Pendleton	Nichols, C. S. (3 TM)	Newberry
Moorefield, J. H. (1 Ch En)*	Lancaster	Nicholson, E. G. (1 E-EE)*	Abbeville
Moorer, V. D. (1 Ar En)	Washington, D. C.	Nickles, P. R. (1 E-EE)*	Hodges
Moorhead, D. T. (2 TM)	Pendleton	Nickles, R. B. (2 A-AH)	Hodges
Morgan, G. R. (1 TM)*	Greenville	Nickles, W. A. (4 Ag En)	Hodges
Morgan, H. E. (4 Ind Ed)	Salisbury, N. C.	Nimmer, F. A. (1 E-ME)*	Ridgeland
Morgan, L. R. (3 Ent)	Central	Niver, J. M. (3 TM)	Bluffton
Morgan, Thomas W. (4 EE)	Startex	Nixon, J. B. (1 Pre-For)	Conway
Morgan, Tom W., Jr. (3 EE)	Clemson	Noel, E. W. (2 A&S)	Saluda
Morick, K. F. (4 EE)	Kenilworth, N. J.	Nolley, E. F. (1 VAE)*	Mocksville, N. C.
Morrah, J. E. (2 ME)	Greensboro, N. C.	Nolte, A. T. (2 EE)	Charleston
Morrah, S. P. (4 TM)	Greensboro, N. C.	Norman, A. W. (3 A&S)	Clemson
Morrah, A. R. (4 AH)	Olar	Norman, G. I. (1 Pre-Med)*	Clemson
Morris, C. B. (4 TC)	Spartanburg	Norris, C. S. (2 EE)	Naval Base
Morris, F. O. (2 CE)*	Abilene, Tex.	Norris, J. M. (3 TM)	Catechee
Morris, H. C. (1 A-AH)	Olar	North, R. M. (1 A)*	Stockton, Ga.
Morris, W. L. (1 A&S)*	Olanita	Norton, L. N. (1 VAE)	Nichols
Morrison, E. C. (1 Ch En)*	Charleston	Norton, P. F. (3 TM)	McColl
Morrison, J. A. (2 CE)	Winchester, Mass.	Nowell, J. G. (2 TM)	Charleston
Morrison, W. G. (2 EE)	Anderson	Nuckols, J. N. (3 TM)	Westminster
Morrow, B. R. (3 TM)	Spartanburg	Nunnery, H. F. (2 EE)	Chester
Morton, E. F. (2 CE)	Great Falls	Nunnery, S. A. (1 E-Ag En)	Edgmoor
Moseley, B. P. (2 EE)	Abbeville	Nunnery, T. W. (3 Ag En)	Edgmoor
Moseley, N. F. (1 E-EE)*	Winter Park, Fla.	Oates, J. E. (3 A&S)	Easley
Moss, A. A. (G CE)†	Greenville	O'Brien, R. E. (4 Agron)	Eutawville
Moxley, E. F. (1 E-TE)*	Dublin, Ga.	O'Brien, W. H. (1 E-Ag En)	Norway
Moyd, J. T. (2 Ch En)	Ninety Six	O'Byrne, W. (2 EE)	Liberty
Moyd, P. K. (4 Pre-Med)	Ninety Six	O'Cain, J. W. (1 A-Hort)*	Orangeburg
Muckenfuss, A. A. (2 CE)	Florence	O'Dell, G. D. (2 A-Dairy)	Easley
Muckenfuss, A. E. (1 A-Dairy)*	Meggett	O'Dell, W. T. (G Dairy)†	Easley
Muehsam, N. E. (2 TM)	New York, N. Y.	O'Dear, W. E. (2 ME)	Canton, N. C.
Muldrow, R. W. (4 ME)	Sumter	Odum, L. A. (1 A)	Daytona Beach, Fla.
Mull, M. D. (4 Hort)	Anderson	Oetgen, J. W. (2 ME)	Savannah, Ga.
Mullin, B. J. (4 VAE)	Chadbourne, N. C.	Ollivet, D. C. (2 CE)	Anderson
Mullinax, W. B. (2 TE)	Anderson	Olson, J. C. (2 A-AH)	Decatur, Ga.
Mullinnix, G. L. (3 TM)	Greenville	O'Neal, J. S. (2 A-AH)	Blenheim
Mullwee, C. A. (1 A)*	Spartanburg	Olney, W. O. (3 ME)	Columbia
Mundy, C. E. (2 TM)	Ware Shoals	Opt, R. A. (4 TM)	Anderson
Mundy, H. E. (1 TM)	Abbeville	Orander, A. D. (G VAE)	Monetta
Munn, F. W. (1 TM)*	Fort Mill	Ormand, J. M. (2 TM)	Thomaston, Ga.
Munn, N. R. (4 VAE)	Awendaw	Orr, J. C. (3 ME)	Asheville, N. C.
Murphree, S. B. (1 E-CE)*	Troy, Ala.	Orr, J. W. (4 ME)	Asheville, N. C.
Murphy, E. J. (4 CE)	Augusta, Ga.	Osborne, P. R. (2 TM)	Kingsport, Tenn.
Murphy, H. G. (2 EE)	Cambridge, Md.	O'Shields, J. L. (2 TE)	Calhoun Falls
Murray, E. S. (1 TM)	Cleveland	O'Shields, R. L. (2 A)*	Union
Murray, J. (1 E-TE)	New York, N. Y.	Othersen, C. B. (2 ME)	Charleston
Murray, J. L. (1 TM)*	Cleveland	Ott, A. L. (2 Arch)	Columbia
Myers, J. C. (4 TM)	Westminster	Outz, M. (4 AH)	Fair Play
Myers, N. A. (1 VAE)*	Olanita	Ouzts, C. A. (1 A-Ag Ec)*	Ninety Six
Myers, R. B. (1 Pre-Med)*	Moncks Corner	Owen, H. L. (2 ME)	Greenville
Myers, R. E. (1 E-EE)	East Haven, Conn.	Owens, A. D. (1 A)*	Greer
Nations, K. K. (1 Ind Ed)*	Central	Owens, E. G. (1 Chem)	Greenwood
Neel, H. J. (3 Ed)	Owensboro, Ky.	Owens, L. F. (3 A&S)	Sumter
Neely, A. M. (1 E-EE)	Rock Hill	Owings, Z. H. (2 ME)	Greenwood
Neely, C. E. (3 EE)	Charlotte, N. C.	Ozburn, T. F. (1 Pre-Med)*	Naval Base
Neighbors, J. D. (3 Hort)	Beaufort	Padgett, H. N. (1 Pre-For)*	Saluda
Neighbour, O. J. (2 ME)	Spartanburg	Padgett, J. E. (4 Pre-Med)	Ridgeland
Neister, A. F. (3 TM)	Spartanburg	Page, D. K. (1 A-AH)*	Mullins

Name and Course	Address	Name and Course	Address
Page, H. D. (1 E-ME)*	Spartanburg	Pinckney, H. T. (1 Pre-For)	Pritchardville
Page, J. R. (1 A)*	Galivants Ferry	Pinckney, T. C. (1 A-AH)	Ridgeland
Painter, R. H. (1 E-EE)*	Greenville	Pittman, G. L. (4 AH)	Myrtle Beach
Palmer, C. K. (1 VAE)*	Seneca	Pittman, J. F. (3 Ag Ec)	Seneca
Paredes, R. (1 A-AH)*	McKeesport, Pa.	Pitts, J. H. (4 Agron)	Clinton
Parham, J. S. W. (1 A-AH)*	Sumter	Pitts, P. M. (3 TE)	Clinton
Paris, W. W. (3 Chem)	Keyser, W. Va.	Pittz, P. Z. (3 CE)	Savannah, Ga.
Park, R. Y. (3 Ag En)	Winnboro	Platt, H. O. (1 Pre-Med)*	Aiken
Parker, C. D. (1 E-ME)*	Asheville, N. C.	Player, M. M. (1 E-TE)*	Williston
Parker, C. J. (2 A&S)	Lancaster	Player, S. J. (1 Arch)*	Columbia
Parker, C. Y. (4 Arch)	Cruger, Miss.	Plesur, J. (1 A-AH)	Buffalo, N. Y.
Parker, H. L. (1 A&S)	Spartanburg	Plowden, R. B. (1 E-TE)*	Sumter
Parker, J. R. (G Ag Ec)†	Anderson	Plunkett, R. W. (3 TM)	Clemson
Parker, J. W. (3 Cr En)	Savannah, Ga.	Plyler, C. D. (4 Ind Ed)	Lancaster
Parker, L. C. (1 A)*	Edgefield	Plyler, J. N. (2 Ind Ed)	Lancaster
Parker, R. P. (2 Ag En)	Ridgeland	Plyler, W. G. (1 E)*	Great Falls
Parkins, J. A. (3 TM)	Greenville	Poe, J. W. (1 Ar En)	Charleston
Parnell, C. B. (1 Pre-Med)*	Calhoun Falls	Poe, N. C. (1 E-ME)*	Greenville
Parnell, J. G. (1 TM)*	West Columbia	Polizos, P. J. (2 Ar En)	Spartanburg
Parnell, J. M. (2 A)	Timmons ville	Polk, D. E. (1 Arch)*	Varnville
Parnell, J. P. (4 TM)	Calhoun Falls	Polson, J. B. (1 Arch)*	Hartsville
Parr, W. W. (4 Dairy)	Newberry	Pontisakos, G. (2 A-AH)	Long Island, N. Y.
Parris, R. M. (3 EE)	Brevard, N. C.	Poole, T. B. (4 TM)	Clemson
Parish, W. B. (1 Arch)*	Pacolet	Poole, W. M. (3 TM)	Travelers Rest
Parsons, B. W. (4 ME)	Rock Hill	Pope, J. M. (2 TM)	Navy Yard
Parsons, M. O. (4 Pre-Med)	Hemingway	Porcher, G. L. (1 A-Hort)*	Charleston
Parsons, N. H. (3 Pre-Med)	Georgetown	Porcher, P. G. (1 E-ME)*	Mt. Pleasant
Pate, J. F. (1 TM)	Canton, N. C.	Porter, J. A. (2 Chem)	Williston
Pate, M. E. (2 Ar En)	Winnboro	Porter, R. B. (4 CE)	Winnboro
Pate, O. H. (2 Ar En)	Bishopville	Posey, C. J. (1 TM)	Catechee
Patrick, E. M. (2 TM)	Pacolet Mills	Poston, M. L. (3 Agron)	Hyman
Patrick, W. R. (1 E-ME)*	Charleston	Poston, R. E. (1 A-Agron)*	Hyman
Patten, M. I. (4 Ind Ed)	Easley	Poston, W. C. (3 VAE)	Hyman
Patterson, H. L. (2 EE)	Fort Mill	Potter, J. M. (1 Ch En)*	Sumter
Patterson, J. (4 Arch)	Spartanburg	Poupalos, J. J. (2 EE)	Charleston
Patterson, J. R. (1 VAE)	Campobello	Powell, J. T. (2 VAE)	Johnsonville
Patterson, J. V. (4 TM)	Clemson	Powell, J. W. (2 A-AH)	Johnsonville
Patterson, W. K. (4 EE)	Greenwood	Power, L. H. (1 E-Ag En)*	Gray Court
Patton, B. C. (3 AH)	Fountain Inn	Powers, R. W. (1 E-CE)*	Pamplico
Patton, J. R. (1 E-Ag En)	Brevard, N. C.	Preacher, R. B. (2 A-AH)	Ridgeland
Patton, R. E. (3 TM)	Fountain Inn	Preacher, W. C. (3 AH)	Ridgeland
Patton, R. H. (2 VAE)	Gray Court	Presher, J. R. (1 E-CE)*	Anderson
Paul, H. F. (4 Bot)	North Charleston	Price, C. J. (4 TE)	Ninety Six
Pavia, J. F. (4 EE)	New Brunswick, N. J.	Price, M. E. (3 TE)	Ninety Six
Payne, L. A. (1 Ch En)*	Sandersville, Ga.	Pridgeon, H. L. (3 Ar En)	Spartanburg
Paysinger, S. B. (4 Ind Ed)	Ninety Six	Pridmore, J. W. (1 A-AH)*	Gaffney
Pazin, E. B. (1 Ed)*	West Chicago, Ill.	Prince, G. E. (1 Ind Phys)*	Columbia
Peake, W. D. (4 Ar En)	Arlington, Va.	Prince, R. M. (3 Ag En)	Lynchburg
Pearce, D. L. (2 A-AH)	New Brunswick, N. J.	Prince, W. R. (2 A-AH)	Iva
Pearman, D. L. (3 EE)	Donalds	Prosser, B. E. (4 VAE)	Hyman
Pearson, H. H. (1 Pre-Med)	Woodruff	Pruette, R. L. (4 TE)	Monroe, N. C.
Pearson, W. A. (4 ME)	Greenville	Pruitt, L. G. (4 TM)	Anderson
Peeler, J. G. (4 CE)	Asheville, N. C.	Pruitt, L. H. (3 TM)	Anderson
Pendley, G. C. (3 TM)	Calhoun, Ga.	Pugh, L. E. (1 Ed)	Newport News, Va.
Pennell, J. E. (4 Chem)	Anderson	Pursley, J. M. (4 TM)	Clover
Peppers, C. H. (3 Pre-Med)	Taylors	Pursley, W. R. (1 Arch)	Filbert
Perkins, D. B. (4 EE)	Savannah, Ga.	Pursley, W. S. (1 Arch)*	Rock Hill
Perry, F. M. (3 CE)	Greenville	Quarles, J. D. (2 Pre-Med)	Abbeville
Perry, S. L. (G Ed)†	Clemson	Queen, R. J. (2 Ar En)	Canton, N. C.
Perry, W. J. (3 Arch)	Timmons ville	Quinn, E. W. (4 Ag En)	Spartanburg
Peszka, S. F. (2 EE)	Conshohocken, Pa.	Quinn, J. M. (1 E-TE)*	Clover
Peterman, M. (3 EE)	Macon, Ga.	Rabon, W. J. (4 Arch)	Marion
Peters, C. D. (2 CE)	North	Radeliff, C. F. (1 A-Poul)	Norfolk, Va.
Peterson, D. E. (2 CE)	Anderson	Radeliff, W. A. (1 A-Poul)	Norfolk, Va.
Petit, R. E. (2 Arch)	Sumter	Ragedale, L. M. (2 CE)	Honea Path
Pettigrew, R. N. (4 Arch)	Tampa, Fla.	Raines, H. M. (2 A-AH)	Mountain Rest
Pettus, H. E. (1 TM)*	Fort Mill	Raines, W. G. (4 TM)	Greenville
Phillips, C. C. (4 EE)	Blackville	Ramsey, L. W. (1 E-CE)	Summersville
Phillips, J. R. (1 VAE)*	Pageland	Ramsey, O. D. (1 TM)*	Valley Falls
Phillips, J. W. (1 E-TE)*	Timmons ville	Randall, J. B. (2 EE)	Ballston Lake, N. Y.
Phillips, R. D. (1 Pre-Med)	Kershaw	Randall, N. A. (2 TC)	Decatur, Ga.
Phipps, F. V. (2 ME)	Columbia	Rankin, D. M. (4 AH)	Gastonia, N. C.
Pickens, R. W. (1 A-Ag Ec)*	Easley	Rankin, W. E. (1 E-CE)*	Seneca
Pierce, J. A. (2 TM)	Marietta	Rast, E. M. (1 A)	Cameron

Name and Course	Address	Name and Course	Address
Rast, J. D. (1 A)	Cameron	Rochester, S. (Unc)	Salem
Ratterree, H. B. (1 E-ME)*	Rock Hill	Rodgers, G. T. (3 A&S)	Pittsburgh, Pa.
Ravenel, R. H. (1 A-AH)	Sanford, Fla.	Rodgers, J. H. (2 VAE)	Lake City
Rawl, H. B. (3 ME)	Spartanburg	Rogan, T. S. (2 A-Agron)	Greelyville
Rawl, H. N. (2 A-Poul)	Gilbert	Rogers, C. L. (2 TM)	Williamston
Rawls, J. (2 Ch En)	Rock Hill	Rogers, C. T. (2 A-AH)	Hemingway
Ray, W. J. (1 Ed)*	Franklin, N. C.	Rogers, D. J. (1 E-CE)	Cowpens
Rea, L. M. (3 VAE)	Matthews, N. C.	Rogers, J. W. (3 Hort)	Hartsville
Reddick, C. E. (4 TM)	Sardis, Ga.	Rogers, Richard L. (1 Pre-Med)*	Hartsville
Redman, E. B. (1 E-EE)*	Cottageville	Rogers, Robert L. (4 TM)	Pelzer
Reed, B. D. (3 Agron)	North	Rogers, S. A. (3 ME)	Mauldin
Reed, W. H. (4 CE)	Savannah, Ga.	Rogowski, M. F. (1 A-Ag Ec)*	Irvington, N. J.
Rees, J. H. (3 TM)	Fayetteville, Tenn.	Rollins, A. L. (1 A-AH)*	Nesmith
Reese, M. R. (1 Ch En)*	Greer	Rollins, W. (3 TM)	Kershaw
Reeves, A. N. (4 Ed)	Ravenels	Roof, J. G. (1 A-Dairy)*	Whitmire
Reeves, T. B. (1 TM)*	Piedmont	Roof, J. M. (1 E-ME)*	Lexington
Register, H. I. (3 ME)	Darlington	Roof, L. B. (2 ME)	Lexington
Reid, H. W. (4 Ind Ed)	Piedmont	Roofs, S. L. (1 E-CE)	Greenwood
Reid, J. F. (1 A-AH)*	Cheraw	Roper, D. P. (4 TM)	Spartanburg
Reid, J. H. (2 Ar En)	Sumter	Rosamond, T. R. (1 E-CE)*	Greenville
Reid, T. P. (1 Ind Ed)	Walhalla	Rose, L. E. (4 ME)	Sardinia
Reid, W. A. (2 ME)*	Abbeville	Rose, O. E. (1 A-AH)	Sardinia
Reinhardt, W. P. (1 Ar En)	Newton, N. C.	Rose, W. R. (1 TM)	Timmons ville
Rentz, J. C. (1 E-EE)*	Varnville	Ross, D. H. (1 TM)*	Hammonton, N. J.
Rentz, W. D. (1 E-ME)*	Williamston	Ross, J. T. (1 TM)*	Greenville
Reutershan, H. W. (1 TM)	Springfield, N. J.	Rothell, J. G. (3 TC)	Saluda
Revell, W. H. (2 CE)	Hartsville	Roux, J. A. (2 A-AH)	Spartanburg
Reynolds, P. G. (3 Ar En)	Sumter	Rowe, H. B. (1 A-Dairy)	Hartsville
Reynolds, R. E. (1 A-AH)*	Timmons ville	Rowe, O. R. (3 ME)	Charlotte, N. C.
Rhea, M. R. (4 EE)	Naval Base	Rowland, L. M. (2 TM)	Walhalla
Rhem, L. F. (1 A)*	Georgetown	Royal, J. H. (1 E-Ag En)	Clemson
Rhodarmer, B. J. (2 TM)	Canton, N. C.	Royals, L. (1 VAE)	Conway
Rhode, A. L. (1 E-Ag En)*	Cottageville	Rush, K. A. (1 A-AH)*	Holly Hill
Rhodes, D. (3 Dairy)	Estill	Rush, P. A. (1 A&S)*	Clemson
Rhodes, R. H. (3 AH)	Effingham	Rushing, H. J. (1 Ed)*	Cheraw
Rice, B. M. (2 EE)	Hartwell, Ga.	Rushton, H. G. (4 TE)	Greenville
Rice, M. D. (4 Dairy)	Augusta, Ga.	Russell, R. R. (3 Ind Ed)	Columbia
Rice, R. M. (1 E-ME)*	Vidalia, Ga.	Rutherford, W. F. (1 Pre-Med)*	Newberry
Richardson, C. R. (2 A-AH)	Chapin	Ruthven, D. D. (1 VAE)*	Cades
Richardson, D. A. (G Chem)*	Seneca	Ryan, R. C. (2 EE)	West Orange, N. J.
Richardson, H. C. (3 TM)	Greenville	Ryan, W. B. (2 Arch)	Ridgeland
Richardson, J. B. (Unc)†	Clemson	Rye, C. L. (3 EE)	Columbia
Richardson, R. R. (2 A-AH)	Apopka, Fla.	Saigol, M. R. (1 TM)*	Pakistan, India
Richbourg, H. M. (1 E-Ag En)*	Summerton	Saline, M. H. (4 Arch)	Charlotte, N. C.
Richbourg, M. N. (4 Pre-Med)	Orangeburg	Salley, D. B. (3 ME)	Saluda, N. C.
Riches, W. B. (1 E-TE)*	Ware Shoals	Salley, G. P. (4 Agron)	Salley
Riddle, B. R. (2 CE)	Kannapolis, N. C.	Salley, J. R. (G Chem)†	Clemson
Riddle, C. O. (4 CE)	Taylors	Salley, S. A. (1 Pre-Med)*	Orangeburg
Riehling, L. P. (1 TM)	Spartanburg	Salley, W. E. (1 Pre-Vet)*	Orangeburg
Riggins, W. R. (3 EE)	Easley	Salters, J. (1 A-AH)*	Trio
Rikard, J. C. (2 TM)	Rock Hill	Sams, J. G. (1 Chem)	Charleston
Ringer, A. W. (3 EE)	Newberry	Sams, J. H. (1 Ar En)*	Clemson
Rion, R. G. (3 Cr En)	Hartsville	Sanders, B. M. (1 A-Dairy)*	Cordova
Risher, E. D. (4 AH)	Ellenton	Sanders, C. (1 A)*	Ritter
Ritter, M. W. (4 Ag En)	Hickory, N. C.	Sanders, C. B. (4 TM)	Anderson
Rivers, A. M. (2 ME)	Guantanamo, Cuba	Sanders, J. D. (3 CE)	Blacksburg
Rivers, J. (2 Ag En)	Charleston	Sanders, K. T. (2 TM)	Anderson
Rivers, M. S. (2 Ed)	Cheraw	Sanders, T. C. (3 VAE)	Yonges Island
Rivers, R. N. (1 VAE)	Hampton	Sanders, T. F. (1 E-CE)*	Swainsboro, Ga.
Roberson, D. M. (1 E-ME)*	Taylors	Sanders, W. D. (4 TM)	Anderson
Roberts, D. E. (3 VAE)	Chester	Sanders, W. H. (1 TM)*	New Castles, Del.
Roberts, E. W. (4 TE)	Ninety Six	Sanderson, J. L. (3 AH)	Dillon
Roberts, G. C. (3 EE)	Miley	Sansbury, R. R. (4 Ag En)	Effingham
Roberts, J. V. (3 TM)	Rutherfordton, N. C.	Santos, C. E. (1 A&S)*	Charleston
Robertson, W. B. (4 TC)	Hagerstown, Md.	Santos, R. A. (1 E-TE)*	Charleston
Robertson, W. R. (1 E-CE)*	Gray Court	Santos, W. A. (1 Arch)	Charleston
Robinette, P. N. (1 TC)	Pacolet	Sapp, N. W. (1 E-TE)*	Spartanburg
Robinson, D. H. (G CE)†	Blackstock	Sarracino, J. J. (3 Ed)	Anderson
Robinson, J. H. (2 Ag En)	Oswego	Sarratt, V. S. (1 Pre-Vet)*	Blacksburg
Robinson, M. C. (2 TE)	Asheville, N. C.	Sarvis, F. (1 A)*	Loris
Robinson, S. W. (G Phys)†	Clemson	Satterfield, J. W. (1 E)	West Union
Robison, M. A. (4 AH)	Donalds	Satterfield, R. F. (3 TE)	Lyman
Roche, J. J. (2 ME)	Sumter	Saunders, A. W. (4 Poul)	Rutherford, N. J.
Rochester, J. R. (4 A&S)	Greenville	Saunders, C. E. (4 A&S)	East Gastonia, N. C.

Name and Course	Address	Name and Course	Address
Saunders, H. M. (3 TM)	Indiantown, Fla.	Shivers, R. P. (1 Ed)	Griffin, Ga.
Saverance, J. R. (1 E-Ag En)	Cheraw	Shockley, J. A. (4 ME)	Falls Church, Va.
Sawyer, C. D. (1 TM)*	Donalds	Sholar, J. O. (1 E-TE)	Columbia
Sawyer, W. B. (4 TM)	Johnston	Shoolbred, R. A. (3 CE)	Eastover
Saylors, R. L. (1 E-TE)*	Ninety Six	Shores, R. L. (3 TM)	Spartanburg
Scarborough, W. L. (3 EE)	Florence	Shouse, E. T. (2 ME)	Whitmire
Schachner, J. A. (2 ME)	Charlotte, N. C.	Shuford, W. E. (2 TM)	Forest City, N. C.
Schaufelberger, A. H. (4 A&S)	East Islip, N. Y.	Shugart, W. H. (3 VAE)	Walhalla
Schirmer, A. B. (1 A-Hort)*	Charleston	Shuler, W. A. (3 Ag En)	Rembert
Schofield, E. C. (4 Pre-Med)	Marion	Shuler, W. S. (2 Ag En)	Sumter
Schroder, W. J. (3 TM)	West Union	Shull, M. D. (2 A-Dairy)	Wagener
Schuetler, R. W. (3 TM)	Elizabethhton, Tenn.	Shull, W. G. (1 E-CE)*	Oxford, N. C.
Schumpert, D. E. (1 E-CE)	Newberry	Sibley, A. B. (4 Agron)	Greenville
Schwartz, W. S. (1 E-ME)	Charleston	Sibley, W. H. (4 AH)	Greenville
Schwiens, W. (3 AH)	Greenville	Sigmon, L. J. (2 TM)	Newton
Scott, E. B. (G EE)†	Clemson	Sijon, S. L. (1 E-EE)*	Greenville
Scott, F. G. (2 A-AH)	Mt. Pleasant	Simmons, W. H. (2 Arch)	Long Island City, N. Y.
Scott, J. C. (3 TM)	Columbia	Simmons, W. K. (2 CE)	Greenville
Scott, J. H. (3 TE)	Honea Path	Simpson, C. B. (1 TC)	Richburg
Scott, S. L. (2 TM)	Darlington	Simpson, C. S. (2 Chem)	Fort Bragg, N. C.
Scrimgeour, W. T. (1 E-ME)*	Silver Springs, Md.	Simpson, D. M. (4 TM)	Knoxville, Tenn.
Seaborn, L. A. (2 CE)	Marietta, Ga.	Simpson, F. H. (4 TM)	Clinton
Seago, B. M. (4 TE)	Vauluse	Simpson, G. J. (2 Ch En)	Kasley
Sears, R. L. (1 A-Ent)*	Clemson	Simpson, H. A. (3 A&S)	Gray Court
Sease, C. F. (1 A)*	Ehrhardt	Simpson, J. A. (3 Dairy)	Richburg
Sease, E. C. (3 ME)	Columbia	Simpson, R. E. (4 VAE)	Lancaster
Sease, F. D. (4 Agron)	Ehrhardt	Simpson, R. M. (4 Ed)	Columbia
Sease, J. (1 A)	Ehrhardt	Simpson, R. R. (3 TM)	Westminster
Seastruck, C. E. (1 VAE)*	Prosperity	Sims, B. C. (2 A-AH)	Greenville
Sedberry, D. D. (2 Pre-For)	Hartsville	Sims, I. S. (1 A&S)*	Orangeburg
Sedberry, D. W. (2 Arch)	Hartsville	Sims, J. L. (4 Hort)	Orangeburg
Seebeck, F. K. (1 E-TE)*	Charleston	Sims, R. M. (4 Hort)	Spartanburg
Seigler, W. E. (1 Ch En)*	Wagener	Sims, T. P. (1 E-TE)*	Florence
Sell, J. A. (2 ME)	Bennettsville	Sinclair, A. R. (3 EE)	Moncks Corner
Senn, H. B. (1 A-AH)	Inman	Singleton, W. C. (4 CE)	Pickens
Sessions, J. F. (1 A-Ent)	Myrtle Beach	Skelton, R. R. (4 TM)	Atlanta, Ga.
Setzer, H. L. (1 Chem)*	Candler, N. C.	Skelton, T. E. (3 Ent)	Clemson
Sewell, R. T. (1 E-ME)*	Greenville	Skerratt, J. D. (3 TE)	Cranford, N. J.
Shane, D. C. (1 E-TE)*	Florence	Skinner, C. F. (4 TM)	Woodruff
Shane, R. W. (1 E-TE)*	Florence	Skipper, V. A. (1 Pre-For)*	Loris
Shannon, E. M. (3 Ind Ed)	Blackstock	Skirpan, J. C. (1 Ind Ed)*	Carnegie, Fla.
Shapiro, M. H. (1 A&S)	New York, N. Y.	Skornschek, T. E. (3 CE)	Tampa, Fla.
Shaw, J. L. (1 TM)*	Winnsboro	Slaten, H. W. (3 Ind Ed)	Williamston
Shaw, R. E. (4 TM)	Greenville	Slattery, J. G. (2 TE)	Greenville
Shaw, W. L. (3 A&S)	Marion	Sloan, C. M. (3 Ind Ed)	Inman
Shealy, E. E. (3 VAE)	Gilbert	Sloan, J. W. (4 TM)	Clemson
Shealy, E. L. (3 Ar En)	Columbia	Slope, A. R. (G Chem)†	Pendleton
Shealy, G. M. (1 E-EE)	Batesburg	Small, D. E. (4 VAE)	Davidson, N. C.
Shealy, H. L. (4 Hort)	Batesburg	Small, L. F. (1 E-CE)*	Nichols
Shealy, J. W. (1 A-AH)*	Leesville	Small, R. L. (2 TM)	Concord, N. C.
Shealy, R. N. (4 TM)	Columbia	Smalls, A. J. (1 A)	Georgetown
Shealy, W. T. (1 E-ME)*	Little Mountain	Smith, B. C. (3 CE)	Greenwood
Shearin, A. M. (3 EE)	Darlington	Smith, B. M. (1 E-Ag En)	Trenton
Shedd, G. R. (3 TM)	Winnsboro	Smith, C. A. (3 VAE)	Mooreville, N. C.
Shedd, W. B. (1 E-TE)	Monticello	Smith, C. B. (2 A-Agron)	Florence
Sheider, A. L. (2 TM)	Hendersonville, N. C.	Smith, C. R. (G Ed)*†	West Union
Shelley, E. H. (2 VAE)	Nichols	Smith, C. W. (1 E-ME)*	Travelers Rest
Shelley, F. E. (2 VAE)	Aynor	Smith, D. D. (2 Pre-Vet)	Columbia
Shelton, G. F. (4 Ed)	Naval Base	Smith, E. A. (4 Ind Ed)	Spartanburg
Shelton, G. L. (3 EE)	Greenville	Smith, E. G. (2 ME)	Waxhaw, N. C.
Shelton, J. W. (1 E-ME)	Greenville	Smith, E. M. (2 Chem)	Greenville
Sheppard, J. E. (2 Arch)	Anderson	Smith, E. T. (1 Pre-Med)	Branchville
Sherard, S. (2 EE)	Toocca, Ga.	Smith, F. V. H. (3 Arch)	Charlotte, N. C.
Sherer, D. G. (3 Arch)	Columbia	Smith, G. C. (3 CE)	Washington, D. C.
Sherer, J. H. (1 E-Ag En)*	Columbia	Smith, G. O. (2 Ind Ed)*	Greer
Sheriff, B. C. (4 VAE)	Martin, Ga.	Smith, H. L. (1 E-EE)	Greenville
Sherwood, E. C. (4 A&S)	Dillon	Smith, J. Bailey (4 ME)	Rock Hill
Shirley, D. C. (4 TE)	Orangeburg	Smith, J. Barber (3 ME)	Florence
Shirley, J. H. (3 EE)	Gaffney	Smith, J. D. (4 Ag En)	Walhalla
Shirley, J. R. (3 TM)	Greenville	Smith, J. E. (4 Dairy)	Spartanburg
Shirley, J. T. (1 A-AH)	Seneca	Smith, James L. (2 A-AH)	Hawkinsville, Ga.
Shiver, J. M. (2 A-Agron)	Rembert	Smith, Joe L. (1 A-AH)*	Greenville
		Smith, J. M. (1 A-Agron)*	Anderson

Name and Course	Address	Name and Course	Address
Smith, J. O. (3 TM)	Donalds	Stevenson, R. M. (3 AH)	Charlotte, N. C.
Smith, J. W. (4 Hort)	Lancaster	Stewart, J. R. (4 TE)	Clemson
Smith, K. B. (4 A&S)	Savannah, Ga.	Stewart, R. S. (2 VAE)	Fountain Inn
Smith, K. T. (3 ME)	Greenville	Stewart, W. F. (3 Dairy)	Fountain Inn
Smith, K. Y. (4 Arch)	Liberty	Still, W. C. (2 Ed)	Bethlehem, Pa.
Smith, M. C. (1 TM)*	Winnaboro	Stilley, W. A. (3 Ind Ed)	Conway
Smith, M. M. (1 A-AH)*	Seabrook	Stockman, B. R. (3 TM)	Prosperity
Smith, O. F. (1 E-CE)*	Johns Island	Stoddard, L. C. (4 VAE)	Fountain Inn
Smith, R. E. (3 Agron)	Mullins	Stokes, R. R. (2 ME)	Greenville
Smith, R. H. (1 Pre-Med)*	Union City, Ga.	Stokes, W. L. (1 A)*	Sedalia
Smith, R. M. (3 Ar En)	Greenville	Stone, R. (1 VAE)*	Hyman
Smith, R. N. (1 E-CE)*	Bethesda, Md.	Storey, P. E. (3 EE)	Greenville
Smith, R. V. (1 E-ME)*	Augusta, Ga.	Stoudemire, H. B. (1 A-Agron)	Elloree
Smith, R. W. (2 EE)	Anderson	Stoudenmire, S. W. (4 VAE)	Lone Star
Smith, St. C. B. (4 TM)	Swannanoa, N. C.	Stovall, J. H. (4 CE)	Charleston
Smith, S. H. (3 ME)	Allendale	Stover, F. R. (4 VAE)	Kershaw
Smith, S. W. (4 TM)	Greenville	Stover, L. M. (4 VAE)	Kershaw
Smith, W. B. (4 VAE)	Cades	Strait, C. D. (2 CE)*	Greenwood
Smith, W. E. (2 Ar En)	Charleston	Strickland, E. (1 A)*	Mullins
Smith, W. M. (4 AH)	Oakland, Calif.	Strickland, G. M. (4 Ch En)	Concord, Ga.
Smoak, A. J. (1 A-AH)*	Orangeburg	Strickland, Q. C. (1 Pre-Med)*	Nichols
Smoak, J. M. (3 AH)	Pacolet	Strong, H. H. (2 EE)	Sumter
Snead, J. D. (3 TM)	Seneca	Strother, E. D. (3 AH)	Plum Branch
Snee, J. J. (3 TE)	New York, N. Y.	Strother, H. C. (1 TM)*	Plum Branch
Snell, A. W. (Unc)†	Elloree	Stubenrauch, A. J. (1 E-EE)*	Columbia
Snipes, H. B. (1 E-CE)	Anderson	Stuckey, E. B. (1 A)*	Bishopville
Snoddy, M. F. (1 Arch)*	Rockingham, N. C.	Stuckey, J. F. (4 EE)	Hartsville
Snow, J. J. (1 A-Agron)	Henry	Suber, R. D. (1 A)*	Orangeburg
Sobocinski, R. J. (2 A&S)	Pittsburgh, Pa.	Suggs, J. H. (1 A)*	Loris
Sofge, J. F. (4 TM)	Aiken	Summer, F. J. (3 Arch)	Newberry
Sollesbee, L. J. (1 E-EE)*	Greenville	Summers, D. C. (2 TE)	Charlotte, N. C.
Soubeyroux, R. S. (3 Ar En)	Charleston	Sumner, W. T. (1 Arch)*	Spartanburg
Sotherlin, R. C. (1 Ind Ed)	Marietta	Sundberg, E. E. (3 TM)	Reading, Pa.
Sowell, M. B. (4 VAE)	Elloree	Sutherland, F. G. (3 TM)	Spartanburg
Sox, H. W. (3 TM)	West Columbia	Sutherland, W. F. (1 Pre-Vet)*	
Spake, R. I. (1 VAE)	Shelby, N. C.		Ridgewood, N. J.
Sparks, G. B. (1 E-TE)*	Drayton	Swearingen, G. T. (1 E-Ag En)*	Trenton
Spearman, B. L. (1 TM)*	Ninety Six	Sweetman, M. R. (4 TM)	Charleston
Spearman, D. H. (1 A&S)*	Easley	Sweney, A. E. (1 TM)*	Seneca
Spears, W. D. (1 E-EE)*	Bennettsville	Swett, A. B. (1 TC)*	Greenville
Speer, J. F. (1 E-TE)*	Anderson	Swett, J. A. (3 Poul)	Dunbarton
Spender, G. W. (3 AH)	Maplewood, N. J.	Swittenberg, R. L. (3 A&S)	Anderson
Spillers, J. C. (2 TE)	Clinton	Swords, P. E. (1 Pre-Med)	Liberty
Spott, W. P. (2 ME)	Lake City	Swygert, D. A. (1 Pre-Med)*	Blytheville
Sprouse, E. B. (3 TM)	Travelers Rest	Taber, W. R. (4 ME)	Greenville
Squires, J. T. (3 AH)	Latta	Tait, R. K. (3 ME)	Brunswick, Ga.
Squires, R. L. (1 A-Agron)*	Aynor	Tankersley, L. D. (1 Arch)*	Greenville
Stackhouse, J. H. (1 TM)*	Florence	Tanner, J. P. (3 AH)	Hemingway
Stacy, J. D. (1 Arch)*	Gaffney	Tarrant, W. B. (4 ME)	Columbia
Stalvey, C. B. (3 Ed)	Conway	Tate, F. W. (1 TC)*	Greenville
Stamps, H. D. (1 E-CE)*	Piedmont	Tate, J. M. (4 AH)	Gaffney
Stanaland, W. A. (3 Agron)	Ash, N. C.	Tate, R. A. (1 E-ME)*	Rock Hill
Standrod, S. E. (3 ME)	Georgetown	Taylor, A. P. (4 A&S)	Charleston
Stanley, G. F. (2 VAE)	Loris	Taylor, C. B. (2 TM)	Lancaster
Stanley, J. B. (2 A-Dairy)	Kingsree	Taylor, C. C. (G Ag Ec)	Greenville
Stanley, J. H. (1 Cr En)*	Ellenton	Taylor, Calvin E. (1 E-TE)	Kershaw
Stanley, L. M. (4 TM)	Marion	Taylor, Charles E. (4 Ar En)	Lexington
Stanley, T. E. (3 Arch)	Hampton	Taylor, D. E. (2 Ch En)	Lexington
Stanley, W. J. (1 TM)	Lancaster	Taylor, E. R. (2 A-Hort)	Greer
Stansell, G. T. (2 ME)	Westminster	Taylor, G. E. (3 TM)	Newnan, Ga.
Stansell, H. D. (1 TM)*	Greer	Taylor, G. W. (2 TM)	Pelzer
Stanton, H. E. (3 TM)	Cheraw	Taylor, K. Z. (2 Ind Ed)	Liberty
Starnes, G. K. (1 A-Dairy)*	Lancaster	Taylor, W. C. (3 AH)	Greenville
Steadman, M. E. (2 Cr En)	Walterboro	Taylor, W. F. (4 TC)	Charleston
Steele, E. L. (3 Chem)	Harrisonburg, Va.	Tedder, J. B. (4 Ag En)	Cherryville, N. C.
Steele, R. H. (3 Ag Ec)	Mars Hill, N. C.	Temple, W. W. (3 TM)	Level Land
Stegall, H. (3 Ind Ed)	Pendleton	Templeton, H. L. (1 E-ME)*	North Augusta
Stehmeyer, D. W. (1 E-CE)*	Charleston	Templeton, J. D. (1 TM)*	Calhoun Falls
Steinmeyer, J. H. (2 A)	Jacksonville, Fla.	Terry, J. E. (4 VAE)	Iva
Stephens, L. M. (3 Ed)	Canton, N. C.	Thayer, W. B. (2 Ag En)	Spartanburg
Stephens, S. F. (1 A)*	Dillon	Thelen, H. M. (2 EE)	Greenwood
Stephenson, J. W. (2 A-AH)	Winnaboro	Thomas, C. A. (3 Ent)	Longs
Stevens, H. E. (2 VAE)	Conway	Thomas, C. T. (3 CE)	Walhalla
Stevenson, E. A. (1 E-Ag En)	Ulmer	Thomas, H. S. (1 E-TE)*	Greenville

Name and Course	Address	Name and Course	Address
Thomas, J. K. (2 A-Ent)*	Chadbourn, N. C.	Ulmer, C. R. (4 TM)	Greenville
Thomason, P. W. (1 E-TE)	Cowpens	Ulmer, F. S. (4 EE)	Brunson
Thompson, D. T. (G Chem)†	Pendleton	Ulmer, J. C. (1 A-AH)*	Ellorree
Thompson, F. M. (1 A)	Augusta, Ga.	Ulmer, J. S. (4 Agron)	North
Thompson, H. Z. (1 A&S)*		Ulmer, R. B. (1 E-CE)	Ellorree
	Hendersonville, N. C.	Upright, C. M. (3 ME)	Mooresville, N. C.
Thompson, J. T. (3 EE)	Charlotte, N. C.	Vaigneur, B. C. (1 A-AH)*	Ridgeland
Thompson, J. V. (3 Ed)	Saxonburg, Pa.	Vaigneur, H. O. (3 Ag En)	Ridgeland
Thompson, O. N. (4 A&S)	Columbia	Vanderburgh, E. B. (2 VAE)*	Ithaca, N. Y.
Thompson, S. G. (2 Pre-Med)	Naval Base	VanderSchans, P. A. (3 Arch)	
Thompson, W. C. (3 TM)	Greenwood		Glen Ridge, N. J.
Thompson, W. L. (3 TC)	Belton	Vandiver, D. P. (1 TC)*	Abbeville
Thompson, W. W. (2 TE)	Pauline	Van Ham, R. N. (4 TM)	Auburn, Maine
Thorne, T. F. (1 Ind Ed)	Dundalk, Md.	Van Hook, E. (3 Ch En)	Atlanta, Ga.
Thornhill, E. J. (1 E)*	Charleston	Vansant, F. B. (4 VAE)	Leesville
Thornton, G. E. (1 E-EE)	Anderson	Varn, H. L. (2 Ch En)	Columbia
Thrift, R. C. (2 A-AH)*	Long Creek	Varn, H. P. (2 Ch En)	Columbia
Thruston, M. G. (3 TM)	Greenville	Varn, H. W. (4 CE)	Walterboro
Tice, N. R. (3 TM)	Brooklyn, N. Y.	Varn, R. B. (2 ME)	Charleston
Timmerman, W. B. (1 E-ME)	Clearwater	Varnier, J. R. (4 TM)	Buffalo
Tinsley, N. F. (1 E-TE)*	Easley	Vassy, T. M. (2 TC)	Gaffney
Tinsley, R. W. (1 A-AH)*	Laurens	Vaughan, D. M. (1 TC)*	Kinards
Tinsley, S. W. (3 Ag Ec)	Spartanburg	Vaughan, J. H. (1 E-Ag En)*	Owings
Todd, B. J. (G Ag Ec)†	Orangeburg	Vaughan, O. H. (4 ME)	Seneca
Todd, E. S. (1 Ed)	Charlotte, N. C.	Vaughn, R. F. (1 E-CE)*	Seneca
Tolbert, J. R. (2 A-Dairy)	Anderson	Vaught, H. R. (1 Pre-For)	Nixonville
Tollison, L. C. (2 ME)	Union	Vause, R. J. (2 Ag En)	Salters Depot
Tolson, B. A. (1 E-TE)*	Timmons ville	Veal, C. D. (4 ME)	Cedartown, Ga.
Tominack, I. L. (4 Ch En)		Veale, J. C. (2 Ar En)	Savannah, Ga.
	Windsor Heights, W. Va.	Veazey, W. H. (3 ME)	Greenville
Tommie, W. J. (2 Pre-Med)	Mountville	Vega, J. D. (1 E-EE)*	Charleston
Tompkins, P. P. (3 ME)	Summerville	Verdery, A. B. (1 TM)*	Augusta, Ga.
Toomey, W. G. (3 Agron)	Mount Holly, N. C.	Vick, W. T. (4 Ag En)	Lancaster
Torrence, R. M. (1 E-ME)*	Rock Hill	Vickery, K. N. (G Ed)†	Clemson
Towell, R. D. (1 Ch En)	Spartanburg	Vildibill, H. D. (2 A-AH)*	Columbia
Townsend, D. K. (1 Pre-Med)*	Bennettsville	Villard, R. E. (2 A-Dairy)	Plainville, Conn.
Townsend, J. C. (3 Ag En)	Orlando, Fla.	Vite, R. G. (2 Ag En)	Towanda, Pa.
Trammell, F. M. (1 E-CE)*	Greenville	Von Harten, C. H. (4 ME)	Beaufort
Trapp, L. W. (1 E-TE)	Darlington	Von Kaenel, J. C. (4 ME)	Monroe, Wis.
Trask, L. P. (2 Ag En)	Burton	Voyles, W. J. (1 TM)*	Anderson
Travis, D. A. (1 Ind Ed)*	Elkin, N. C.	Vuksta, C. (2 ME)	Hellertown, Pa.
Tribble, J. C. (2 ME)	Greenwood	Wade, D. A. (2 Ind Ed)	Spartanburg
Tribble, R. M. (3 ME)	Greenwood	Wade, G. L. (2 A&S)	Timmons ville
Trimmier, L. G. (2 A-AH)	Bedford, Pa.	Wade, J. D. (3 Ed)	Lenoir City, Tenn.
Triplett, J. T. (4 CE)	Chester	Wagner, G. P. (1 E-CE)*	Washington, Ohio
Tripp, C. B. (1 E-ME)*	Greenville	Waldrup, J. R. (2 TE)	Greenville
Tripp, P. D. (3 CE)	Greenville	Waldrup, J. W. (1 E-TE)*	Timmons ville
Tripp, W. O. (1 TM)*	Greenville	Walker, H. P. (4 Pre-Med)	Fort Mill
Trotter, M. (2 TM)	Greenville	Walker, J. E. (1 Pre-Med)	Charleston
Trout, J. R. (1 VAE)*	Rock Hill	Walker, W. H. (3 TM)	Laurens
Trstensky, W. R. (1 Arch)	Carteret, N. J.	Walker, W. S. (4 VAE)	Blackville
Tumbleston, W. E. (1 A-AH)	Summerville	Wall, H. L. (1 TM)	Wadesboro, N. C.
Turnage, L. W. (4 ME)	Hartsville	Wall, M. H. (4 Ag Ec)	Lyman
Turner, C. D. (1 E-TE)*	Greenville	Wall, T. S. (1 A-Hort)*	Orlando, Fla.
Turner, C. R. (1 VAE)	Pelzer	Wallace, F. D. (1 Ind Phys)*	Norfolk, Va.
Turner, C. W. (1 A-Dairy)*	Sanford, Fla.	Wallace, W. W. (2 TM)	Seneca
Turner, G. (1 E-EE)	Greenville	Walsh, A. A. (3 EE)	West Englewood, N. J.
Turner, G. C. (3 EE)	Marion	Walters, C. L. (1 TM)*	Lancaster
Turner, H. B. (1 E-Ag En)*	Mayesville	Walters, D. M. (4 CE)	Salisbury, N. C.
Turner, H. C. (3 EE)	Greenville	Walters, E. H. (1 E-Ag En)*	Lancaster
Turner, H. E. (4 Arch)	Greenville	Walters, J. F. (2 CE)	Mullins
Turner, J. H. (4 TM)	Spartanburg	Walton, W. T. (1 A&S)	Burton
Turner, J. M. (1 A-AH)*	Winnaboro	Waltz, M. R. (3 CE)	Barnwell
Turner, M. J. (1 E-EE)	Gaffney	Wannamaker, R. L. (3 ME)	Columbia
Turner, M. N. (4 TM)	Spartanburg	Ward, J. A. (1 TM)	Jackson, Tenn.
Turner, R. G. (1 TC)*	Gadsden	Ward, J. C. (1 TC)*	Arden, N. C.
Turner, R. P. (1 Pre-Vet)*	Woodruff	Ward, P. F. (1 TM)*	Fort Lauderdale, Fla.
Turner, T. P. (4 Ar En)	Gaffney	Ward, R. D. (3 A)	Chester
Turpin, B. A. (2 EE)	Piedmont	Ward, T. (4 Ch En)	McClellanville
Tuten, J. M. (3 EE & Ind Phys)	Greenville	Ware, A. L. (3 EE)	Greenville
Tuten, R. L. (1 A-AH)	Ridgeland	Ware, M. T. (4 EE)	Iva
Twidley, D. A. (1 E-CE)*	Clewiston, Fla.	Warman, L. L. (2 A-Ag Ec)	Danville, Ind.
Tyler, H. K. (3 ME)	Hampton, Va.	Warren, J. F. (3 CE)	Charlotte, N. C.
Tyson, S. D. (3 Ag En)	Lumberton, N. C.	Warriner, L. R. (1 E-CE)*	Emory, Va.

Name and Course	Address	Name and Course	Address
Wase, M. J. (1 E-EE)*	Hartsville	Whitehead, B. J. (1 TM)	Chester
Washington, E. B. (1 A&S)	Clemson	Whitehead, C. J. (3 TM)	Greenville
Washington, E. J. (2 TM)	Pelzer	Whiteside, P. W. (1 E-TE)*	De Armanville, Ala.
Waters, J. D. (4 TM)	Johnston	Whitesides, H. S. (4 EE)	Chester
Waters, P. B. (1 A&S)*	Saluda	Whitfield, L. L. (1 TM)	Anderson
Watford, B. L. (1 E-ME)*	Lamar	Whitfield, N. C. (3 TM)	Townville
Watkins, C. B. (3 CE)	Augusta, Ga.	Whitlaw, G. L. (1 A-AH)	North Augusta
Watkins, C. E. (1 E-Ag En)	Westminster	Whitlaw, J. L. (4 ME)	North Augusta
Watkins, G. L. (3 VAE)	Hartsville	Whitlaw, J. T. (1 Pre-Med)*	Clemson
Watkins, W. Y. (2 Ed)	Ware Shoals	Whitmire, F. L. (3 Poul)	Seneca
Watson, A. L. (1 TC)*	Spartanburg	Whitmire, J. D. (2 TM)	Johnson City, Tenn.
Watson, R. B. (1 A-AH)	Blenheim	Whitmire, T. E. (4 Arch)	Asheville, N. C.
Watson, R. D. (1 TM)	Mardella, Md.	Whitten, W. A. (1 Ar En)	Anderson
Watson, S. J. (1 Arch)	Florence	Wicker, A. R. (3 ME)	Newberry
Watt, E. B. (PG Arch)	Hartsville	Wickham, F. M. (1 Chem)	Westminster
Watt, F. L. (3 TM)	Pelzer	Wigington, J. R. (1 A)	Easley
Watt, M. F. (2 TM)	Pelzer	Wilbanks, J. T. (2 TM)	Clemson
Watts, G. E. (1 E-ME)*	Chester	Wilds, G. J. (2 A&S)	Hartsville
Watts, J. H. (1 E-CE)*	Mountville	Wiley, H. S. (4 ME)	McCormick
Watts, W. S. (1 Arch)*	Sumter	Wilkinson, R. E. (4 AH)	Hickory Grove
Way, R. E. (PG Ind Ed)	Branchville	Wilkins, D. F. (1 TM)*	Chesnee
Weaver, G. E. (3 Hort)	Darlington	Wilkins, H. O. (3 ME)	Germantown, Tenn.
Webb, E. W. (4 TM)	Marion	Williams, C. D. (3 TM)	Lancaster
Webb, J. E. (3 ME)	Hazel Green, Ala.	Williams, D. B. (4 Ag Ec)	Landrum
Webb, L. W. (2 A-AH)	Ridgeland	Williams, H. R. (1 E-TE)*	Pendleton
Webb, N. J. (2 A-AH)	Newport News, Va.	Williams, J. A. (3 VAE)	Charleston
Webb, W. F. (1 E-CE)*	Brunson	Williams, J. F. (G Chem)†	York
Weber, A. J. (1 Arch)*	Charlotte, N. C.	Williams, J. K. (3 TE)	Patrick
Webster, E. L. (1 Ar En)*	Columbia	Williams, J. W. (4 CE)	Spartanburg
Weed, R. O. (1 A-Hort)*	Irmo	Williams, M. S. (3 Ag En)	Moore
Weedon, C. H. (3 Arch)	Rutherfordton, N. C.	Williams, R. N. (4 TM)	Spartanburg
Weekley, L. C. (2 A-AH)	Varnville	Williams, V. M. (2 TM)	Woodruff
Weekley, R. J. (1 Pre-Vet)	Ulmers	Williams, W. W. (2 Pre-Vet)*	Moncks Corner
Weeks, B. (1 Cr En)*	Charleston	Williamson, C. E. (2 TM)	La France
Weeks, J. J. (3 ME)	Charlotte, N. C.	Williamson, D. M. (4 ME)	Naval Base
Weeks, P. H. (4 Ag En)	Aiken	Williamson, J. G. (4 TE)	Timmonsville
Weghorn, C. A. (3 CE)	Ridgewood, N. Y.	Williamson, J. W. (1 VAE)*	Darlington
Weill, S. B. (3 CE)	Clio	Williamson, W. T. (2 A-Dairy)	Naval Base
Weinberg, P. M. (2 TM)	Sumter	Willingham, R. H. (1 Chem)*	Newberry
Weilborn, D. T. (3 AH)	Chester	Willis, A. E. (4 TM)	Chicopee, Ga.
Welch, M. O. (1 A)*	Ehrhardt	Willis, J. K. (1 A)*	Clio
Weldon, R. D. (3 TM)	Charleston	Willis, R. R. (2 TM)	Gaffney
Wells, A. H. (2 Cr En)	Columbia	Wilson, A. T. (1 A-Hort)*	Batesburg
Wells, E. R. (2 TM)	Gaffney	Wilson, B. L. (1 Ind Phys)*	Anderson
Wells, J. D. (1 Arch)*	Columbia	Wilson, C. A. (2 A-AH)	Bamberg
Wells, L. R. (2 CE)	Orangeburg	Wilson, E. L. (3 TM)	Springfield
Welsh, F. M. (PG ME & TE)	Abbeville	Wilson, F. O. (3 Ed)	Lyman
Welsh, W. T. (3 ME)	Anderson	Wilson, H. W. (3 TM)	Greenville
Welter, J. F. (3 Poul)	Greenville	Wilson, J. (1 A-AH)*	Shelby, N. C.
Wertz, J. D. (2 A&S)	Saluda	Wilson, J. C. (4 EE)	Greenville
Wessinger, E. (2 TE)	Newberry	Wilson, J. H. (4 TM)	Blacksburg
Wessinger, H. O. (2 A-Dairy)	West Columbia	Wilson, J. K. (2 VAE)	Cades
West, C. E. (3 TM)	Spartanburg	Wilson, L. E. (4 TM)	Spartanburg
West, F. B. (1 VAE)*	Conway	Wilson, R. G. (3 EE)	Greenwood
West, H. E. (2 EE)	Cedartown, Ga.	Wilson, R. L. (1 A-AH)	Wampee
West, M. L. (1 VAE)*	Holly Hill	Wilson, T. C. (3 ME)	Greenwood
West, R. K. (4 VAE)	Cameron	Wilson, T. D. (4 Ag Ec)	Cades
West, R. L. (1 A-AH)*	Bowman	Winchester, D. B. (1 E-ME)*	Pickens
Westbury, S. A. (1 E-CE)	Charleston	Winchester, K. P. (1 Ind Ed)*	Six Mile
Whaley, J. M. (1 E-CE)*	Aynor	Wingard, R. D. (3 AH)	Lexington
Whatley, V. (2 Ch En)	Allendale	Wise, G. A. (1 A)*	Hyman
Whatley, L. M. (4 A&S)	Kathwood	Wise, G. S. (1 E-TE)*	Pittsburg, Calif.
Wheelon, J. W. (1 E-ME)	Edneyville, N. C.	Wise, K. C. (4 TM)	Prosperity
Whetstone, W. V. (3 TM)	Denmark	Wise, P. N. (2 ME)	Vaclusse
Whitaker, C. A. (2 ME)	Union	Withers, G. W. (1 TM)	Spencer, N. C.
Whitaker, W. F. (G)†	Liberty	Witherspoon, J. M. (1 A-AH)	Gable
White, A. C. (4 Ent)	Clearwater, Fla.	Witt, D. H. (3 TE)	Swansea
White, C. E. (1 Ch En)*	Wagener	Witt, L. H. (2 Ag En)	Swansea
White, D. N. (1 E-TE)	Clover	Wofford, B. E. (2 TM)	Schoolfield, Va.
White, F. D. (1 A-AH)	Inman	Wofford, W. H. (1 TM)	Enoree
White, H. M. (1 Chem)*	Camden	Wolfe, E. C. (4 Agron)	Inman
White, J. C. (3 Ind Ed)	Inman	Wolfe, G. A. (4 VAE)	Inman
White, L. I. (2 TM)	Florence	Wolfe, H. Z. (1 E-ME)	Williston
White, W. E. (2 A-AH)	Fort Mill		

Name and Course	Address	Name and Course	Address
Wolfe, J. D. (3 EE) -----	Rock Hill	Wright, C. D. (1 Arch)* ----	Eglin Field, Fla.
Wolfe, R. M. (4 EE) -----	Rock Hill	Wright, M. B. (3 Agron) ----	Fair Bluff, N. C.
Wood, F. K. (2 TM) -----	Washington, D. C.	Wrightenberry, E. G. (2 A-AH)	
Wood, J. C. (2 ME) -----	Drayton		Burlington, N. C.
Wood, J. R. (3 TM) -----	York	Wyatt, C. N. (1 TM)* -----	Greenville
Wood, W. K. (2 Pre-Med) -----	Florence	Wyatt, P. K. (1 TM)* -----	Marion, N. C.
Woodard, S. L. (1 E-CE) -----	Summit, N. J.	Wylie, J. T. (1 TM) -----	Blacksburg
Woodfin, J. W. (4 Ag En) -----	Inman	Wylie, W. C. (3 TC) -----	Rock Hill
Woodham, H. B. (3 Ag Ec) -----	Bishopville	Wylie, W. O. (4 TM) -----	Chester
Woodle, H. A. (4 Ch En) -----	Clemson	Wyndham, S. F. (4 AH) -----	Moncks Corner
Woods, G. B. (1 E-ME)* -----	Rock Hill	Wynn, J. W. (1 Pre-For)* -----	Varnville
Woods, S. G. (3 AH) -----	Greenville	Wyse, J. A. (4 TM) -----	Spartanburg
Woodward, A. Q. (4 A&S) -----	Aiken	Yager, A. K. (1 TM)* -----	Columbia
Woodward, N. E. (3 Ag En) -----	Aiken	Yarbrough, J. R. (3 Ar En) --	Salisbury, N. C.
Woollen, C. L. (4 ME) -----	Atlanta, Ga.	Yelton, T. L. (2 TM) -----	Forest City, N. C.
Wooten, E. T. (1 A)* -----	Greer	York, C. O. (3 Ar En) -----	Charlotte, N. C.
Wooten, L. E. (4 Ch En) -----	Greenville	York, E. G. (1 E-EE) -----	La France
Workman, J. P. (1 VAE)* -----	Kinards	Young, C. F. (1 A-AH)* -----	Central
Workman, O. G. (2 CE) -----	Rock Hill	Young, F. S. (1 Pre-Med)* -----	Central
Worley, J. L. (2 Ag En) -----	Windsor	Youngblood, G. T. (1 Chem) ---	Savannah, Ga.
Worth, H. P. (4 TE) -----	Greenville	Zakim, G. (3 A&S) -----	Paterson, N. J.
Worth, W. T. (3 TM) -----	Greenville	Zatcoff, A. (3 TM) -----	Philadelphia, Pa.
Wray, C. V. (Unc)† -----	Clemson	Zipperer, E. H. (1 E-Ag En)* ---	Savannah, Ga.
Wright, B. C. (3 A&S) -----	Belton		

SUPPLEMENTARY LIST OF STUDENTS SECOND SEMESTER, 1950-1951

Name and Course	Address	Name and Course	Address
Adams, B. S. (G Ed)*†	Williamston	Fraissor, J. (3 EE)	Whitmore
Alexander, James Maurice (1 TM)	Walhallia	Galphin, H. P. (1 Pre-For)*	Ninety Six
Allen, M. C. (Unc)*†	Clemson	Gambrell, C. B. (G TC)†	Birmingham, Ala.
Annas, G. J. (1 Ar En)*	Granite Falls, N. C.	Gambrell, H. M. (4 Ag En)	Owings
Anthony, A. B. (3 CE)	Pickens	Glenn, D. M. (1 TM)*	Clover
Arthur, A. E. (1 Ar En)*	Orlando, Fla.	Godfrey, C. H. (4 ME)	Florence
Aull, G. H. (Unc)†	Clemson	Graham, M. E. (G Bact)*†	Greenville
Bailey, C. K. (3 TE)	Lockhart	Grainger, L. C. (1 E-Ag En)*	Conway
Bailey, C. C. (1 Pre-Med)*	Clemson	Hagan, J. D. (2 TM)	Union
Bailey, N. K. (G Ed)*†	Clemson	Hall, R. C. (1 A-AH)	Mount Ulla, N. C.
Ball, W. L. (G EE)†	Clemson	Hanauer, A. S. (1 TM)*	New York, N. Y.
Bass, F. J. (1 A-Dairy)	Bluefield, W. Va.	Hankinson, J. C. (1 TM)*	McBean, Ga.
Bates, M. R. (1 Pre-Vet)*	Neeses	Hann, J. F. (3 TM)	Easley
Bates, S. W. (4 EE)	Naval Base	Harrison, H. D. (1 Ind Ed)	Clemson
Beauss, W. A. (2 Ind Ed)	Columbus, Ga.	Herlof, E. E. (1 TM)*	Rock Hill
Bergh, C. M. (2 Ag En)	Tifton, Ga.	Herndon, E. C. (G Ed)*†	Liberty
Berry, E. D. (1 TM)*	Spartanburg	Hicks, G. D. (2 Arch)*	Erwin, Tenn.
Berry, R. Milton (G)*†	Clemson	Hinon, J. F. (3 ME)	Lynchburg
Birnstad, K. L. (2 ME)*	Brooklyn, N. Y.	Hodgin, B. E. (1 E-TE)*	Columbia
Bishop, B. J. (1 TM)*	Greenville	Hromi, J. D. (Unc)†	Clemson
Blair, G. W. (3 Cr En)	Savannah, Ga.	Hudson, W. G. (G ME)†	Clemson
Blakely, R. M. (1 E-Ag En)*	Laurens	Hughey, C. W. (1 E-TE)*	Piedmont
Bobo, J. C. (1 E-ME)*	Laurens	Hull, R. O. (1 Ch En)*	Lakewood, Ohio
Bodie, A. B. (3 EE)	Newberry	Hutchison, W. C. (G Ed)†	West Union
Boozar, E. W. (2 A-AH)	Leesville	Ivester, J. M. (4 TM)	Greenville
Brady, J. R. (1 A-Agron)	St. Matthews	Jackson, W. F. (3 Arch)	Rock Hill
Bramlette, M. J. (1 TM)	Laurens	Johnson, H. J. (2 EE)	Darlington
Brogdon, W. L. (1 A)*	Cordele, Ga.	Johnson, W. E. (G VAE)†	Seneca
Buford, W. H. (2 A-AH)	Ellenton	Jones, M. W. (G EE)†	Clemson
Bullington, H. E. (Unc)*†	Seneca	Kaiser, W. K. (1 VAE)*	Lexington
Bunger, A. W. (4 ME)	Savannah, Ga.	Kay, L. B. (1 TM)*	Trenton, N. J.
Butts, J. M. (1 E-Ag En)*	Walhallia	Kaye, R. M. (1 TM)*	Arlington, Va.
Butts, T. A. (2 Arch)	Bloomfield, N. J.	Kendra, F. S. (3 EE)	Ford City, Pa.
Campbell, C. W. (2 ME)*	Hartwell, Ga.	Kendrick, N. S. (Unc)*†	Clemson
Carriaco, A. A. (1 TM)*	Arlington, Va.	Koeseian, V. M. (1 Arch)*	Haverhill, Mass.
Carroll, H. (1 E-EE)*	Anderson	Knight, C. W. (2 A-AH)	Honea Path
Cassale, R. C. (1 Arch)	Queens Village, L. I., N. Y.	Lenk, G. A. (1 Arch)*	Pittsburgh, Pa.
Cassell, J. H. (3 Arch)	Pickens	Lewis, T. B. (1 E-ME)*	Conway
Cate, N. H. (1 E-CE)*	Brunswick, Ga.	Laysath, H. H. (3 Agron)	North
Cates, F. B. (1 Pre-Vet)*	Wadmalaw Island	Littlejohn, C. E. (G)†	Clemson
Chatlin, R. H. (1 Arch)*	Washington, D. C.	McCulloch, J. I. (3 TM)	Gaffney
Cheek, N. M. (1 TM)*	Catechee	McGarity, H. H. (Unc)*†	Clemson
Chibas, G. L. (2 ME)*	Guantanamo, Cuba	McGugan, R. V. (1 Ed)*	Cordele, Ga.
Childs, E. N. (G Ed)†	Central	McLaughlin, F. E. (1 A-AH)*	Florence
Clayton, L. E. (G Ed)†	Clemson	McNair, J. E. (3 CE)	Gastonia, N. C.
Clinton, W. B. (1 E-ME)*	Rock Hill	McSwiney, T. L. (2 ME)	Savannah, Ga.
Clyburn, D. A. (1 A&S)*	Union	Mañony, W. M. (G VAE)†	Honea Path
Cole, J. H. (1 TM)	La France	Marlowe, W. H. (4 Agron)	McClellanville
Cook, R. W. (1 Ch En)*	Aiken	Martin, G. V. (1 A)*	Anderson
Crosland, L. K. (4 Agron)	Bennettsville	Martin, T. R. (1 A-AH)	Anderson
Cunningham, K. S. (2 EE)	Bayside, L. I., N. Y.	Miller, L. T. (1 TM)*	Seneca
Cunningham, P. S. (1 E-EE)*	Sumter	Montgomery, R. M. (4 TM)	Asheville, N. C.
David, R. A. (2 TM)*	Guatemala City, Guatemala	Monty, P. S. (2 TM)	Charlotte, N. C.
Davis, J. C. (2 Pre-Vet)*	Candler, N. C.	Morgan, M. L. (3 Agron)	Oakboro, N. C.
Drake, W. T. (2 ME)	Traveler's Rest	Morris, N. D. (1 Arch)*	Swainsboro, Ga.
Dunn, C. (3 TM)	Rock Hill	Nalley, R. F. (G VAE)†	Seneca
Early, J. D. (3 Ent)	Florence	Nelson, C. H. (2 ME)†	Westminster
Easley, J. J. (1 E-TE)*	Greenville	Nolte, F. E. (2 Ag En)	Charleston
Easterby, A. H. (1 TM)*	Greenville	O'Shields, W. C. (1 VAE)	Startex
Eberhart, A. (1 Cr En)*	Anderson	Ott, H. F. (1 Ind Ed)	Swansea
Edmonds, R. F. (Unc)*	Anderson	Outen, M. D. (1 Arch)*	Fort Jackson
Evans, J. C. (Unc)*†	Clemson	Owen, W. C. (G VAE)	Central
Ferrier, W. T. (Unc)*†	Clemson	Parker, Jasper R. (PG VAE)	Anderson
Fields, D. A. (3 CE)	Society Hill	Pate, D. D. (4 A&S)	Cassatt
Flanders, B. H. (2 Ag En)*	Kite, Ga.	Pennington, C. W. (G VAE)†	Starr
Fowler, J. W. (1 Ind Ed)*	Alexandria, Va.	Perna, A. J. (1 Ed)*	Brooklyn, N. Y.
		Perry, R. L. (G ME)†	Clemson
		Powell, L. F. (1 A-Agron)*	Hyman

Name and Course	Address	Name and Course	Address
Preisendorfer, H. J. (2 Arch)*		Spangenberg, J. L. (Unc)†	Clemson
-----Bellerose, L. I., N. Y.		Spiner, D. R. (Unc)†	Clemson
Pressley, J. H. (3 ME)---	King's Mountain, N.C.	Strait, C. A. (1 E-ME)*	Rock Hill
Price, R. B. (1 E-TE)*	West Columbia	Stuart, C. M. (Unc)*†	Clemson
Reaves, H. L. (G Phys)†	Clemson	Taylor, C. W. (1 E-EE)*	Savannah, Ga.
Rhodes, H. O. (1 E-CE)*	Walhalla	Thompson, A. F. (1 TM)*	Alexandria, Va.
Robinett, W. B. (1 Ar En)*	Conway	Thompson, J. H. (1 TM)*	Kline
Rhyne, E. H. (PG)†	Clemson	Tobin, H. M. (4 TC)	North Charleston
Rice, D. E. (1 Pre-For)	Bristol, Va.	Todd, A. W. (PG TE)	Anderson
Rice, M. A. (4 Ar En)	Arlington, Va.	Truelove, J. E. (1 TM)	Sanford, N. C.
Risher, C. F. (1 A-Ag Ec)	Clio	Tuten, C. R. (4 AH)	Ridgeland
Rostron, J. P. (G CE)†	Clemson	Walters, J. V. (G Ind Ed)†	Clemson
Ruitenbergh, C. O. (2 Arch)	Paterson, N. J.	Weaver, D. G. (2 Pre-Vet)*	Naval Base
Schrader, E. D. (4 TM)	Spartanburg	Webb, H. W. (G Agron)†	Williston
Schumacher, W. P. (1 E-TE)*	Westminster	Weston, T. I. (3 ME)	Columbia
Sheldon, D. C. (Unc)*†	Clemson	Whitesides, H. D. (1 E-ME)	Chester
Sloan, J. A. (1 E-ME)*	Clemson	Wickliffe, B. I. (G Ed)†	West Union
Smith, Carl B. (1 Ar En)*	Brooklyn, N. Y.	Wilkins, R. I. (PG Arch)†	Clemson
Smith, K. E. (1 E-EE)	Woodruff	Williamson, J. A. (2 Arch)---	North Charleston
Southard, E. W. (1 TM)*	Union		

#Students enrolled for the second semester who were not enrolled for the first semester. In this list, students are classified according to their credits at the beginning of the second semester; new students admitted at the beginning of the second semester are indicated by an asterisk (*); part-time students by a dagger (†).

NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM
1950-1951

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Pre-Veterinary	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Education	Industrial Education	Vocational Agricultural Education	Architectural Engineering	Architecture
Senior -----	94	13	0	0	30	3	16	3	8	10	40	17	27
Junior -----	118	28	0	0	27	1	7	5	18	21	34	17	23
Sophomore -----	118	22	5	7	20	2	17	8	11	9	23	10	25
Freshman -----	248	68	20	17	40			16	31	15	65	19	57
Postgraduate -----													
Graduate -----													
Unclassified -----													
Total -----	578	142	26	24	117	11	92	32	68	55	167	63	132

Classification	Ceramic Engineering	Chemical Engineering	Civil Engineering	Electrical Engineering	Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Postgraduate	Graduate	Unclassified	Enrollment by Classes
Senior -----	1	9	33	38	41	10	19	134				551
Junior -----	5	5	36	52	66	7	25	134				629
Sophomore -----	4	13	49	58	78	8	29	104				632
Freshman -----	9	19	60	69	99	18	69	156				1152
Postgraduate -----									16			16
Graduate -----										79		79
Unclassified -----											34	34
Total -----	19	46	178	217	284	43	142	528	16	79	34	3093

ENROLLMENT BY COUNTIES AND STATES

1950-1951

<i>County</i>	<i>Total</i>	<i>State or Country</i>	<i>Total</i>
Abbeville -----	22	Alabama -----	12
Aiken -----	60	Arizona -----	1
Allendale -----	9	California -----	2
Anderson -----	179	Canada -----	2
Bamberg -----	21	Connecticut -----	4
Barnwell -----	13	Cuba -----	2
Beaufort -----	18	Delaware -----	2
Berkeley -----	8	District of Columbia -----	10
Calhoun -----	12	Estonia -----	1
Charleston -----	129	Florida -----	44
Cherokee -----	33	Georgia -----	157
Chester -----	48	Guatemala -----	1
Chesterfield -----	25	Illinois -----	4
Clarendon -----	16	India -----	1
Colleton -----	21	Indiana -----	1
Darlington -----	55	Kentucky -----	3
Dillon -----	20	Maine -----	3
Dorchester -----	20	Maryland -----	9
Edgefield -----	17	Massachusetts -----	10
Fairfield -----	21	Michigan -----	2
Florence -----	92	Minnesota -----	1
Georgetown -----	14	Mississippi -----	1
Greenville -----	245	Missouri -----	1
Greenwood -----	69	New Hampshire -----	1
Hampton -----	23	New Jersey -----	45
Horry -----	51	New York -----	56
Jasper -----	21	North Carolina -----	189
Kershaw -----	20	Ohio -----	4
Lancaster -----	47	Pakistan -----	2
Laurens -----	53	Pennsylvania -----	40
Lee -----	13	Rhode Island -----	2
Lexington -----	44	South Carolina -----	2416
Marion -----	38	Tennessee -----	33
Marlboro -----	26	Texas -----	1
McCormick -----	15	Virginia -----	25
Newberry -----	37	West Virginia -----	4
Oconee -----	126	Wisconsin -----	1
Orangeburg -----	66		
Pickens -----	143	Grand Total -----	3093
Richland -----	95		
Saluda -----	13		
Spartanburg -----	206		
Sumter -----	51		
Union -----	35		
Williamsburg -----	35		
York -----	91		
South Carolina Total -----	2416		

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THE
CLEMSON
AGRICULTURAL
COLLEGE

RECORD
FIFTY-NINTH YEAR

CATALOG NUMBER
1951-1952

Preliminary Announcements 1952-1953

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COLLEGE CALENDAR

SUMMER TERM 1951

Matriculation and Registration.....	June 12
Classes begin.....	June 13
Independence Day holiday.....	July 4
Examinations	August 8-10

SESSION 1951-1952

Matriculation, new students.....	September 3
Registration, new students.....	September 6
Matriculation and Registration, former students..	September 6, 7
Classes begin	September 10
State Fair holidays begin at 12 noon.....	October 24
State Fair holidays end at 10 p. m.....	October 28
Thanksgiving holidays begin at 1 p. m.....	November 21
Thanksgiving holidays end at 10 p. m.....	November 25
Christmas holidays begin at 12 noon.....	December 20
Christmas holidays end at 10 p. m.....	January 2
End of First Semester.....	January 26
Mid-Year Graduating Exercises.....	January 27
Matriculation, new students.....	January 29
Registration, new students.....	January 31
Matriculation and Registration, former students.....	January 31, February 1
Classes begin.....	February 4
Easter holidays begin at 12 noon.....	April 10
Easter holidays end at 10 p. m.....	April 14
Commencement	June 1

SUMMER TERM 1952

Matriculation and Registration	June 10
Classes begin	June 11
Independence Day holidays	July 4, 5
Examinations	August 6, 7
Graduating Exercises	August 9

SESSION 1952-1953

Matriculation, new students	September 8
Registration, new students	September 11
Matriculation and Registration, former students	September 12
Classes begin	September 15
Last day to add a subject	September 27
Last day to drop a subject without penalty	October 11
State Fair holidays begin at 12 noon	October 22
State Fair holidays end at 10 p. m.	October 26
Thanksgiving holidays begin at 1 p. m.	November 26
Thanksgiving holidays end at 10 p. m.	November 30
Christmas holidays begin at 1 p. m.	December 20
Christmas holidays end at 10 p. m.	January 4
End of First Semester	January 31
Mid-Year Graduating Exercises	February 1
Matriculation, new students	February 2
Registration, new students	February 4
Matriculation and Registration, former students	February 5
Classes begin	February 6
Last day to add a subject	February 19
Last day to drop a subject without penalty	March 5
Easter holidays begin 12 noon	April 2
Easter holidays end 10 p. m.	April 6
Commencement	June 7

1952

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
6	7	8	9	10	11	12	6	7	8	9	10	11	12
13	14	15	16	17	18	19	13	14	15	16	17	18	19
20	21	22	23	24	25	26	20	21	22	23	24	25	26
27	28	29	30	31			27	28	29	30	31		

FEBRUARY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
3	4	5	6	7	8	9	3	4	5	6	7	8	9
10	11	12	13	14	15	16	10	11	12	13	14	15	16
17	18	19	20	21	22	23	17	18	19	20	21	22	23
24	25	26	27	28	29		24	25	26	27	28	29	30
							31						

MARCH							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
2	3	4	5	6	7	8	1	2	3	4	5	6	
9	10	11	12	13	14	15	7	8	9	10	11	12	13
16	17	18	19	20	21	22	14	15	16	17	18	19	20
23	24	25	26	27	28	29	21	22	23	24	25	26	27
30	31						28	29	30				

APRIL							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
6	7	8	9	10	11	12	5	6	7	8	9	10	11
13	14	15	16	17	18	19	12	13	14	15	16	17	18
20	21	22	23	24	25	26	19	20	21	22	23	24	25
27	28	29	30				26	27	28	29	30	31	

MAY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30	31	23	24	25	26	27	28	29
							30						

JUNE							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	7	8	9	10	11	12	13
8	9	10	11	12	13	14	14	15	16	17	18	19	20
15	16	17	18	19	20	21	21	22	23	24	25	26	27
22	23	24	25	26	27	28	28	29	30	31			
29	30												

1953

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
4	5	6	7	8	9	10	5	6	7	8	9	10	11
11	12	13	14	15	16	17	12	13	14	15	16	17	18
18	19	20	21	22	23	24	19	20	21	22	23	24	25
25	26	27	28	29	30	31	26	27	28	29	30	31	

FEBRUARY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	2	3	4	5	6	7	8
8	9	10	11	12	13	14	9	10	11	12	13	14	15
15	16	17	18	19	20	21	16	17	18	19	20	21	22
22	23	24	25	26	27	28	23	24	25	26	27	28	29
							30	31					

MARCH							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	6	7	8	9	10	11	12
8	9	10	11	12	13	14	13	14	15	16	17	18	19
15	16	17	18	19	20	21	20	21	22	23	24	25	26
22	23	24	25	26	27	28	27	28	29	30			
29	30	31											

APRIL							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
5	6	7	8	9	10	11	1	2	3	4	5	6	7
12	13	14	15	16	17	18	4	5	6	7	8	9	10
19	20	21	22	23	24	25	11	12	13	14	15	16	17
26	27	28	29	30			18	19	20	21	22	23	24
							25	26	27	28	29	30	31

MAY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
3	4	5	6	7	8	9	1	2	3	4	5	6	7
10	11	12	13	14	15	16	8	9	10	11	12	13	14
17	18	19	20	21	22	23	15	16	17	18	19	20	21
24	25	26	27	28	29	30	22	23	24	25	26	27	28
31							29	30					

JUNE							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	6	7	8	9	10	11	12
8	9	10	11	12	13	14	13	14	15	16	17	18	19
15	16	17	18	19	20	21	20	21	22	23	24	25	26
22	23	24	25	26	27	28	27	28	29	30	31		
28	29	30											

THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD

PART I

Personnel

PART I—Personnel

BOARD OF TRUSTEES

LIFE MEMBERS

R. M. COOPER, <i>Chairman</i>	Wisacky, Lee County
PAUL SANDERS.....	Ritter, Colleton County
T. B. YOUNG.....	Florence, Florence County
J. F. BYRNES.....	Spartanburg, Spartanburg County
EDGAR A. BROWN.....	Barnwell, Barnwell County
CHARLES E. DANIEL.....	Greenville, Greenville County

TERM EXPIRES 1954

BEN T. LEPPARD.....	Greenville, Greenville County
J. F. McLaurin.....	Bennettsville, Marlboro County
W. A. BARNETTE.....	Greenwood, Greenwood County

TERM EXPIRES 1956

F. E. COPE.....	Cope, Orangeburg County
T. W. THORNHILL.....	Charleston, Charleston County
J. B. DOUTHIT, JR.....	Pendleton, Anderson County

A. J. BROWN, <i>Secretary</i>	Clemson, S. C.
-------------------------------------	----------------

STANDING COMMITTEES OF BOARD

AGRICULTURAL: Douthit, *Chairman*; Young, Sanders, Cope, Barnette, McLaurin.

(This committee is also the Veterinary Committee, the Crop Pest Commission, and the Experiment Station Board of Control.)

EXECUTIVE: Daniel, *Chairman*; Young, Byrnes, Thornhill, Leppard.

FERTILIZER: Cope, *Chairman*; Barnette, Sanders, Douthit, McLaurin.

FINANCE: Brown, *Chairman*; Douthit, Thornhill, McLaurin.

STATED MEETINGS OF BOARD

3:00 P. M.—Third Friday in March

3:00 P. M.—Third Friday in June

3:00 P. M.—Fourth Monday in October

BOARD OF VISITORS 1951

Don V. Richardson.....	Georgetown
(Hold-over Member)	
E. B. Baskins.....	Bishopville
Harold C. Booker.....	Camden
Robert M. Erwin.....	Laurens
W. N. Henderson.....	Ninety Six
Harmon Howorth.....	Rock Hill
J. F. Risher.....	Bamberg
George C. Rogers.....	Charleston
J. C. Self, Jr.....	Greenwood
Bachman S. Smith, Sr.....	Charleston
L. A. Walker, Sr.....	Summerville
B. F. Williamson, Jr.....	Darlington
J. P. Williamson.....	Greenville

OFFICERS CLEMSON ALUMNI CORPORATION 1951-1952

<i>President</i>	
R. R. Pearce, '41.....	Columbia, S. C.
<i>First Vice-President</i>	
J. T. Wigington, '23.....	Clemson, S. C.
<i>Second Vice-President</i>	
W. H. McLeod, '30.....	Seabrook, S. C.
<i>Secretary-Treasurer</i>	
J. H. Woodward, Ex. '03.....	Clemson, S. C.
<i>Assistant Treasurer</i>	
A. J. Brown, '12.....	Clemson, S. C.
<i>Board of Directors</i>	
District 1—J. T. Wigington, '23.....	Clemson, S. C.
District 2—W. P. White, '10.....	Greenville, S. C.
District 3—W. K. Magill, '15.....	Chester, S. C.
District 4—E. F. Gettys, '21.....	McCormick, S. C.
District 5—N. E. Byrd, '10.....	Branchville, S. C.
District 6—W. H. McLeod, '30.....	Seabrook, S. C.
District 7—E. F. Hafers, '28.....	Charleston, S. C.
District 8—K. B. Hodges, Ex. '20.....	Bennettsville, S. C.
District 9—B. L. Murr, '25.....	Atlanta, Ga.
District 10—David Jennings, '02.....	New York, N. Y.
District 11—B. W. Freeland, '25.....	Crowley, La.
District 12—C. S. Anderson, '16.....	Los Angeles, Calif.
<i>Directors at Large</i>	
W. B. Camp, Jr., '44.....	Bakersfield, Calif.
R. H. Fike, '08.....	Moultrie, Ga.
C. L. Reid, '02.....	Fredericksburg, Va.

OFFICERS OF ADMINISTRATION

ROBERT FRANKLIN POOLE, PH.D., D.Sc., LL.D., Litt.D.
President

FORREST EUGENE COOKSON, COLONEL, INFANTRY, U. S. ARMY
Commandant and Professor of Military Science and Tactics

ANDREW JOSEPH BROWN, B.S.
Treasurer and Secretary of Board of Trustees

JAMES CORCORAN LITTLEJOHN, B.S.
Business Manager

LEE W. MILFORD, M.D.
Surgeon

GUSTAVE ERNEST METZ, B.S., M.A.
Registrar

HERBERT PRESS COOPER, PH.D.
Dean, School of Agriculture and Director, Agricultural Experiment Station

FRANCIS MARION KINARD, A.B., A.M., Litt.D.
Dean, School of Arts and Sciences

DAVID WISTAR DANIEL, A.M., Litt.D.
Dean Emeritus, School of Arts and Sciences

HOWARD LOUIS HUNTER, PH.D.
Dean, School of Chemistry

FRED HARVEY HALL CALHOUN, PH.D.
Dean Emeritus, School of Chemistry

WILLIAM HAROLD WASHINGTON, B.S., M.S.
Dean, School of Education

JAMES HAGOOD SAMS, JR., PH.D.
Dean, School of Engineering

SAMUEL BROADUS EARLE, A.M., M.E., LL.D.
Dean Emeritus, School of Engineering
Director Emeritus, Engineering Experiment Station

HOWARD EMMITT GLENN, B.S. in C.E., C.E.
Vice-Director, Engineering Experiment Station

HUGH MONROE BROWN, PH.D.
Dean, School of Textiles

HUBERT JUDSON WEBB, PH.D.
Dean, Graduate School

BRUCE DAYVAULT CLOANINGER, B.S., M.S.
Secretary, Board of Fertilizer Control

* ROY AIKEN MAYS, B.Sc., D.V.M.
Director of Livestock Sanitary Work, State Veterinarian

DAVID WAYNE WATKINS, B.S., M.A.
Director of Extension Service

CORNELIA AYER GRAHAM, B.S.
Librarian

* Office: John C. Calhoun State Office Building, Columbia, S. C.

FACULTY *

ROBERT FRANKLIN POOLE

President

Ph.D., Rutgers University; D.Sc., Clemson Agricultural College; LL.D., University of South Carolina; Litt.D., Furman University

ADAMS, LEONARD CALDWELL, ** Assistant Professor of Electrical Engineering.
B.E.E., Clemson Agricultural College, 1943; M.S., Oklahoma A & M College, 1950; Graduate Work, University of Florida, 1951-1952.

ALLEN, MARION CARROLL, Assistant Professor of Religion.
A.B., Furman University, 1937; B.D., Yale Divinity School, 1940; Graduate Work, Hartford Theological Seminary, 1943-1944; Andover Newton Seminary, Summer, 1945.

ALLEN, ROY LEON, Assistant Professor of Air Science and Tactics.
Captain, United States Air Force; B.S., Clemson Agricultural College, 1947; Graduate: Primary, Basic and Advanced Flying School; Academic Instructor's School, 1950; Graduate Work, Clemson Agricultural College, 1950-1951.

ARMSTRONG, GEORGE MILLER, Head of Botany and Bacteriology Department; Professor of Botany and Bacteriology.
B.S., Clemson Agricultural College, 1914; M.A., University of Wisconsin, 1917; Ph.D., Washington University, 1921.

ARMSTRONG, PERCY LAMAR, Assistant Professor of Mathematics.
A.B., 1919, M.A., 1920, Southwestern University.

AULL, GEORGE HUBERT, Head of Agricultural Economics and Rural Sociology Department; Professor of Agricultural Economics.
B.S., Clemson Agricultural College, 1919; M.S., University of Virginia, 1928; Ph.D., University of Wisconsin, 1937.

AUSTELL, JOSEPH ROBERTS, Assistant Professor of Air Science and Tactics.
Captain, United States Air Force; B.S., Clemson Agricultural College, 1941; Graduate: Armament School, 1942; Chemical Warfare School, Royston, England, 1942; Academic Instructors School, 1951; Armament School, 1951; Graduate Work, Woman's College, University of North Carolina, 1950.

BAINBRIDGE, FREDERICK FREEMAN, Instructor in Architecture.
B.S., University of Virginia, 1949; M.A., Kansas City Art Institute, 1951.

BALL, WALTER LEE, Instructor in Electrical Engineering.
B.E.E., Clemson Agricultural College, 1949.

BANISTER, ROBERT ALLEN, Assistant Professor of Drawing.
B.S., Clemson Agricultural College, 1939; M.S., Bradley University, 1949.

BAUKNIGHT, LEHMAN MEYNARDIE, JR., Assistant Professor of Agricultural Economics.
B.S., 1935, M.S., 1949, Clemson Agricultural College.

BEAVEN, WILLIAM MORRIS, Assistant Professor of Air Science and Tactics.
Captain, United States Air Force; B.A., St. Mary's University, 1941; Graduate: Primary, Basic, Advanced Flying Schools, 1941-1942; Instrument Flying School, 1949.

BELL, MARSHALL CORNETT, Associate Professor of Mathematics.
A.B., 1933, M.A., 1936, University of North Carolina.

BELLAMY, OSCAR HEYWARD, JR., Instructor in Electrical Engineering.
B.E.E., Clemson Agricultural College, 1949.

BENNETT, JOHN ZEBULUM, Assistant Professor of English.
A.B., 1947, M.A., 1948, Vanderbilt University; Graduate Work, University of Texas, 1949-1950; University of North Carolina, Summer, 1951.

BERNE-ALLEN, ALLAN, Head of Chemical Engineering Department; Professor of Chemical Engineering.
B.S.E., University of Michigan, 1924; Ch.E., 1933, Ph.D., 1936 Columbia University.

* Faculty list compiled October 1, 1951.

** On leave.

- BERRY, EDWARD CLARK, *Acting Head of Geology Department; Assistant Professor of Geology.*
B.S., University of North Carolina, 1948; Graduate Work, University of North Carolina, 1948-1951.
- BICKELHAUPT, ROY EDWARD, *Instructor in Ceramic Engineering.*
B.S. in Cer. E., University of Illinois, 1950.
- BIGGS, GILBERT WARREN,* *Assistant Professor of Economics.*
B.S., 1946, M.S., 1947, Virginia Polytechnic Institute; Graduate Work, University of Virginia, 1947-1948; Iowa State College, 1951-1952.
- BLAIR, WILLIAM GARDINER, *Associate Professor of Carding and Spinning.*
New Bedford Textile School, 1908; Clemson Agricultural College, Summer, 1927.
- BOLEN, CLAUDE WALDRON, *Associate Professor of History and Government.*
A.B., Emory and Henry College, 1931; M.A., 1935, Ph.D., 1941, Duke University.
- BOOKER, LEONARD ROWLAND, *Itinerant State Teacher-Trainer Industrial Education.*
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1932, Graduate Work, Clemson Agricultural College, Summers, 1938, 1939.
- BOUCHER, GEORGE HINTON, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1934; The Infantry School, Basic Course, 1942, Advanced Course, 1943, Transportation Corps School, Associate Basic, 1949.
- BOWEN, WILLIAM CLAYTON, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1932; M.S., Colorado A & M College, 1940.
- BOYD, VIRLYN ALEXANDER, *Assistant Professor of Rural Sociology.*
B.S.A., Berry College, 1941; M.S.A., University of Kentucky, 1948.
- BRADBURY, DOUGLAS WILSON, *Associate Professor of Drawing.*
B.M.E., Clemson Agricultural College, 1940; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.
- BRADLEY, MARK EDWARD, *Head of English Department, Emeritus; Professor Emeritus of English.*
A.B., Erskine College, 1898; Graduate Work, University of Chicago, Summers, 1904, 1910; University of North Carolina, Summer, 1927.
- BRANDT, GRAYDON WILLIAM, *Associate Professor of Dairying.*
B.S., Ohio State University, 1936; M.S., University of Nebraska, 1938; Graduate Work, Ohio State University, 1937-1938, 1938-1941.
- BRANNON, CARROLL CLEVELAND, *Associate Professor of Dairying.*
B.S., Clemson Agricultural College, 1934; Graduate Work, Clemson Agricultural College, 1949.
- BREWSTER, JAMES PENDLETON, *Associate Professor of Mathematics.*
A.B., 1935, M.A., 1940, Duke University; Graduate Work, Duke University, 1949-1951.
- BROCK, DEWEY CLIFTON, *Assistant Professor of Wood Shop.*
B.S., University of South Carolina, 1925; Graduate Work, Clemson Agricultural College, 1947-1949.
- BROCK, JOHN LELAND, *Head of Industrial Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1927; M.A., George Peabody College, 1936.
- BROWN, EDWARD THOMAS, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.A., Beloit College, 1939; Graduate: Quartermaster School, 1942; Academic Instructors School, 1951; Graduate Work, University of North Carolina, 1948-1951; Western Carolina Teachers College, Summer, 1947.
- BROWN, HUGH MONROE, *Dean, School of Textiles.*
B.A., 1920, M.A., 1921, University of Denver; Ph.D., University of California, 1927.
- BROWN, JONAS WILLIAM, *Assistant Professor of Mathematics.*
B.S., North Carolina State College, 1931; M.A., Duke University, 1948.
- BROWNLEY, FLOYD IRVING, JR.,* *Assistant Professor of Chemistry.*
B.S., Wofford College, 1939; M.S., Virginia Polytechnic Institute, 1941; Graduate Work, University of Florida, Summer, 1949; Florida State University, Summer, 1950, 1950-1952.

* On leave.

BURTNER, FRANK ALLAN, JR., Associate Professor of Sociology.

B.A., M.A., University of Texas, 1939; Graduate Work, University of Texas, Summer, 1940; Harvard University, Summer, 1941; University of North Carolina, 1944; Yale University, 1946-1947; University of North Carolina, 1947-1948.

BYARS, EDWARD FORD, Instructor in Mechanics and Hydraulics.

B.M.E., Clemson Agricultural College, 1946; Graduate Work, Clemson Agricultural College, 1950-1952.

CALHOUN, FRED HARVEY HALL, Dean Emeritus, School of Chemistry and Geology; Professor Emeritus of Geology and Mineralogy.

B.S., 1898, Ph.D., 1902, University of Chicago.

CAMPBELL, THOMAS ALEXANDER, JR., Associate Professor of Textiles.

B.S., Clemson Agricultural College, 1928; M.Ed., Pennsylvania State College, 1947.

CARODEMOS, PETER, Professor of Chemistry.

B.S., Tufts College, 1922; Ph.D., Cornell University, 1927; Harvard University, Summer, 1932; Massachusetts Institute of Technology, Summers, 1941, 1949.

CARPENTER, CHARLES HAROLD, Assistant Professor of History and Government.

A.B., Lenoir-Rhyne College, 1945; M.A., George Peabody College, 1946; Graduate Work, University of Chicago, 1948-1949; University of North Carolina, 1949-1950, Summers, 1949, 1950.

CARSON, LEWIS ANDERSON,* Instructor in Weaving.

B.S., Clemson Agricultural College, 1949; Graduate Work, Oklahoma A & M College, 1951-1952.

CARSON, ROBERT GORDON, JR.,* Assistant Professor of Textiles.

B.S., Clemson Agricultural College, 1939; Graduate Work, Georgia Institute of Technology, 1949-1950, 1951-1952; University of Michigan, 1950-1951.

CARTEE, EUGENE FRANKLIN, Professor of Weaving and Designing.

B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1937; Graduate Work, Pennsylvania State College, Summer, 1941.

CARTER, CLIFTON WALKER, Assistant Professor of Drawing.

B.S., Clemson Agricultural College, 1933.

CASKEY, CLAIRE OMAR,* Assistant Professor of English.

B.S., Appalachian State Teachers College, 1947; A.M., Duke University, 1948; Graduate Work, Duke University, Summer, 1949; University of North Carolina, Summer, 1951, 1951-1952.

CLARKE, ELWYN LORENZO, Head of Civil Engineering Department, Emeritus; Professor Emeritus of Civil Engineering.

B.S. in C.E., 1902, C.E., 1931, University of Illinois.

COHEN, HENRY RUSSELL, Assistant Coach.

B.S., Vanderbilt University, 1917.

COKER, EDWARD CALEB, JR., Associate Professor of Mathematics.

B.S., University of South Carolina, 1928; M.A., University of North Carolina, 1930; Graduate Work, Brown University, 1932; University of Chicago, Summers, 1936, 1938, 1939; University of Chicago, 1939-1940.

COLLINGS, GILBEART HOOPER, Professor of Soils.

B.S., Virginia Polytechnic Institute, 1915; M.S., University of Illinois, 1917; Ph.D., Rutgers University, 1925.

COMBS, WATSON GIBBONS, Assistant Professor of Military Science and Tactics.

Captain, Infantry, United States Army; Texas Agricultural and Mechanical College, 1940-1942; Tank Destroyer School, Basic Course, The Infantry School.

CONNOLLY, WILLIAM STRAT, Assistant Professor of Air Science and Tactics.

Captain, United States Air Force; B.S., Texas Agricultural and Mechanical College, 1940; Graduate: Primary, Basic, Advanced Flying School, 1941-1942; Aircraft Engineering and Maintenance School, 1944; Specialized B-29 Maintenance School, 1945; Counter-Intelligence School, 1947; Aircraft Instrument School, 1948; Air Tactical School, 1949.

COOK, JAMES CLINTON, JR., Assistant Professor of Mechanical Engineering.

B.M.E., 1939, M.M.E., 1951, Clemson Agricultural College.

COOK, JAMES RUSSELL, Associate Professor of Animal Husbandry.

B.S., Texas Agricultural and Industrial College, 1939; M.S., Iowa State College, 1943.

* On leave.

- COOKSON, FORREST EUGENE, *Professor of Military Science and Tactics, Commandant of Cadets.*
Colonel, Infantry, United States Army; B.S., United States Military Academy, 1918; Graduate: Infantry School, 1920; Command and General Staff School, 1936.
- COOPER, HERBERT PRESS, *Dean, School of Agriculture; Director, Agricultural Experiment Station; Head of Agronomy Department; Professor of Agronomy.*
B.S., Clemson Agricultural College, 1911; M.S., University of Wisconsin, 1916; Ph.D., Cornell University, 1922.
- COOPER, JAMES BRONAUGH, *Associate Poultry Husbandman.*
B.S., 1935, M.S., 1938, University of Kentucky.
- COUCH, JAMES HOUSTON, *Assistant Professor of Forge and Foundry.*
B.S., Clemson Agricultural College, 1941.
- COX, HEADLEY MORRIS, *Acting Head of English Department; Professor of English.*
A.B., 1937, M.A., 1939, Duke University; Graduate Work, University of Pennsylvania, 1948-1950.
- COX, JAMES TRAMMELL,* *Instructor in English.*
A.B., University of North Carolina, 1942; Graduate Work, University of North Carolina, 1945-1946; University of Iowa, 1950-1952.
- CRAIG, JAMES TELFORD, *Instructor in Agricultural Engineering.*
B.S., Clemson Agricultural College, 1951.
- CRAWFORD, GEORGE WOLF, *Assistant Professor of Physics.*
B.S., 1947, M.A., 1949, Ph.D., 1951, University of Texas.
- CROUCH, SYDNEY JAMES LEONHARDT, *Head of Religion Department; Professor of Religion.*
Scotch College, Western Australia, 1910; Biblical Seminary, New York, 1915; B.D., Hartford Theological Seminary, 1922; Th.D., Union Theological Seminary, Richmond, Virginia, 1937.
- CURTIS, DONALD DEXTER, *Head of Mechanics and Hydraulics Department; Professor of Mechanics and Hydraulics.*
B.E., 1919, M.S., 1931, University of Iowa.
- DAIL, BERNARD EUGENE, *Instructor in Economics.*
A.B., 1949, M.A., 1950, Duke University.
- DALTON, LLOYD AMOS, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.S., Texas Agricultural and Mechanical College, 1933; Graduate: Officers' Training School, Miami Beach, 1943; Aviation Engineering, Geiger Field, 1945; Air University, Craig Field, 1949.
- DANIEL, DAVID WISTAR, *Dean Emeritus, School of Arts and Sciences; Professor Emeritus of English.*
A.B., Wofford College, 1892; M.A., Vanderbilt University, 1901; Litt.D., Wofford College, 1914.
- DAVIS, CECIL COOK, *Assistant Professor of Economics.*
B.B.A., 1947, M.B.A., 1949, University of Georgia; Graduate Work, University of North Carolina, Summer, 1950.
- DEAN, JORDAN ARTHUR, *Associate Professor of French and Spanish.*
A.B., Wofford College, 1933; M.A., Vanderbilt University, 1934; Graduate Work, University of Illinois, 1937.
- DICE, JOHN BRAZELTON FILLMORE, *Professor of Air Science and Tactics.*
Colonel, United States Air Force; B.S., United States Military Academy, 1930; Graduate: Coast Artillery School, 1937; Command and General Staff School, 1944.
- DINWIDDIE, JOSEPH GRAY, JR., *Associate Professor of Chemistry.*
B.S., Randolph-Macon College, 1942; Ph.D., University of Virginia, 1949.
- DUNAVAN, DAVID, *Associate Professor of Entomology and Zoology.*
B.S., Oregon Agricultural College, 1925; M.S., Iowa State College, 1928; Graduate Work, Cornell University, Summers, 1929, 1931, 1935.
- DUVALL, ROBERT WELSH, *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1951.

* On leave.

EARLE, SAMUEL BROADUS, *Dean Emeritus, School of Engineering; Professor Emeritus of Mechanical Engineering; Director Emeritus, Engineering Experiment Station.*

A.B., 1898, A.M., 1899, Furman University; M.E., Cornell University, 1902; LL.D., Furman University, 1932.

EDWARDS, GEORGE HERBERT, JR., *Associate Professor of Mathematics.*

B.A., M.A., University of South Carolina, 1913; Graduate Work, University of Chicago, Summer, 1915; Columbia University, 1917, 1919, Summer, 1917.

EDWARDS, JOHN CALHOUN, *Assistant Professor of Textiles.*

B.S., Clemson Agricultural College, 1942.

EDWARDS, JAMES LEON, *Assistant Professor of Mechanical Engineering.*

B.M.E., Clemson Agricultural College, 1941; M.S., Pennsylvania State College, 1951.

EFLAND, THOMAS DANIEL, *Instructor in Knitting.*

B.S., North Carolina State College, 1949.

EPTING, CARL LAFAYETTE, *Acting Head of Social Sciences Department; Professor of History and Government.*

A.B., Newberry College, 1921; A.M., University of South Carolina, 1924; Graduate Work, University of South Carolina, 1926, 1928, 1932-1934; University of North Carolina, Summers, 1927, 1928.

ERLENKOTTER, RICHARD, *Assistant Professor of Military Science and Tactics.*

Captain, Corps of Engineers, United States Army; B.S., United States Military Academy, 1944; M.S., Massachusetts Institute of Technology, 1949.

EVANS, JOSEPH CLAUDE, *Assistant Professor of Religion.*

A.B., Wofford College, 1937; B.D., Duke University, 1940; Graduate Work, University of Chicago Theological Seminary, Summer, 1942; Union Theological Seminary, New York, Summers, 1946, 1948, 1949, 1951.

FARRAR, MILTON DYER, *Head of Entomology and Zoology Department; Professor of Entomology and Zoology.*

B.S., Iowa State College, 1925; M.S., South Dakota State College, 1927; Ph.D., Iowa State College, 1933.

FEELY, ROBERT OLIVER, *Head of Veterinary Science Department; Professor of Veterinary Medicine.*

D.V.S., New York University, 1906.

FELDER, HERMAN McDONALD, JR., *Assistant Professor of English.*

A.B., Wofford College, 1930; M.A., Vanderbilt University, 1937; Graduate Work, Duke University, Summers, 1933, 1934, 1946.

FERNOW, BERNHARD EDWARD, *Head of Mechanical Engineering Department; Professor of Mechanical Engineering.*

A.B., 1904, M.E., 1906, Cornell University.

FERRIER, WALLACE THOMAS, *Professor of Agricultural Economics.*

A.B., Tarkio College, 1910; M.S., Colorado State College, 1930; Ph.D., University of Minnesota, 1938.

FORD, JOHN MARTIN, *Assistant Professor of Civil Engineering.*

B.C.E., Clemson Agricultural College, 1946; M.S., University of North Carolina, 1950.

FREEMAN, EDWIN JONES, *Head of Industrial Engineering Department; Professor of Industrial Engineering and Metallurgy.*

B.S., 1922, M.E., 1939, Clemson Agricultural College; M.S., Virginia Polytechnic Institute, 1942.

GAGE, GASTON, *Head of Yarn Manufacturing Department, Professor of Carding and Spinning.*

B.S., Clemson Agricultural College, 1921; M.Ed., Pennsylvania State College, 1941.

GAMBRELL, CARROLL BLAKE, JR., *Instructor in Textiles.*

B.S., Clemson Agricultural College, 1949; Graduate Work, Clemson Agricultural College, 1949-1950; University of Florida, 1951-1952.

* On leave.

GARDNER, RICHARD WILLIAM, *Assistant Professor of Military Science and Tactics.*

First Lieutenant, Armor, United States Army; Clemson Agricultural College, 1947-1950; Officers' Associate Basic Course, Advanced Officers' Course, Fort Knox, 1949.

GARRISON, OLEN BRANFORD, *Professor of Horticulture.*

B.S., Clemson Agricultural College, 1933; M.S., Louisiana State University, 1934; Ph.D., Cornell University, 1939.

GATES, JOHN HOBART, *Head of Architectural Department; Professor of Architecture.*

B.S., Bates College, 1924; B.F.A., Yale University, 1928.

GENTRY, JOHN BAKER, JR., *Associate Professor of Vocational Education.*

B.S., Furman University, 1932; Ed.M., Duke University, 1939; Graduate Work, University of Georgia, Summers, 1949, 1950, 1951.

GILES, EDWARD STARKEY,* *Assistant Professor of Electrical Engineering.*

B.S., Clemson Agricultural College, 1937.

GLENN, HOWARD EMMITT, *Vice-Director, Engineering Experiment Station, Professor of Civil Engineering.*

B.S. in C.E., 1922, C.E., 1927, University of Kentucky; Graduate Work, Illinois Institute of Technology, Summer, 1940.

GLENN, JOE DAVIS, JR., *Assistant Professor of Civil Engineering.*

B.C.E., Clemson Agricultural College, 1942; Graduate Work, University of Tennessee, 1947-1948.

GODFREY, WILLIAM EMERA, *Head of Physics Department, Emeritus; Professor Emeritus of Physics.*

A.B., 1893, A.M., 1898, Mercer University; Graduate Work, University of Chicago, Summers, 1898, 1899, 1900; Cornell University, 1906-1907.

GODLEY, WILLIE CECIL,* *Assistant Professor of Animal Husbandry.*

B.S., Clemson Agricultural College, 1943; M.S., North Carolina State College, 1949; North Carolina State College, 1951-1952.

GOLDGAR, BERTRAND ALVIN, *Assistant Professor of English.*

B.A., 1948; M.A., 1949, Vanderbilt University; Graduate Work, Columbia University, Summer, 1950.

GOODALE, BEN EDMUND, *Professor of Dairying.*

B.S., 1922; M.S., 1929, Iowa State College.

GOODIN, CURTIS PAUL, *Assistant Professor of Electrical Engineering.*

B.S., University of Kentucky, 1948.

GRAHAM, JOHN SMITH, *Assistant Professor of Research and Testing.*

B.S., Clemson Agricultural College, 1943.

GREEN, CLAUD BETHUNE, *Associate Professor of English.*

B.A., 1935, M.A., 1938, University of Georgia; Graduate Work, University of North Carolina, Summer, 1938; University of Georgia, 1938-1940; Duke University, Summer, 1941; Yale University, 1946-1947; Duke University, 1948-1950.

GREEN, JOSEPH COLEMAN, *Professor of English.*

B.A., 1920, M.A., 1924, Ph.D., 1937, Vanderbilt University.

GRIBBIN, ROBERT EMMET, JR., *Assistant Professor of Religion.*

A.B., University of the South, 1937; S.T.B., General Theological Seminary, 1941; Graduate Work, Columbia University, Summer, 1949.

GRIMES, CLAY LYLE, *Instructor in Chemistry.*

B.S., Mississippi College, 1946; M.S., Vanderbilt University, 1951.

GUINNELL, RICHARD AUSTIN, *Assistant Professor of Military Science and Tactics.*

Major, Ordnance Corps, United States Army; B.S., University of California, 1940; Graduate: Ordnance Officer Advanced Course, The Ordnance School, 1951.

GUION, THOMAS HYMAN, *Associate Professor of Textile Chemistry and Dyeing.*

B.S., Davidson College, 1940; Ph.D., University of North Carolina, 1949.

GUNNIN, EMERY AARON, *Instructor in Architecture.*

B.S., Clemson Agricultural College, 1950.

* On leave.

- HALLMARK, GLEN DUNCAN,* *Associate Professor of Electrical Engineering.*
B.S. in E.E., 1935, M.S. in E.E., 1946, Texas A & M College; Graduate Work, Texas A & M College, 1950-1951, 1951-1952.
- HAMLIN, JACK IDEN, *Assistant Professor of Military Science and Tactics.*
Major, Quartermaster Corps, United States Army; B.S., Indiana University, 1943; M.B.A., Ohio State University, 1949; Graduate: Officer Candidate School, 1943; Advanced Quartermaster Officers' Course, 1951.
- HAMMOND, ALEXANDER FRANCIS, *Instructor in Drawing.*
B.E.E., Clemson Agricultural College, 1949.
- HARDEE, AMAYNA MAYNOR,* *Assistant Professor of French and Spanish.*
A.B., 1947, M.A., 1948, University of South Carolina; Graduate Work, University of North Carolina, Summer, 1949; University of California, Los Angeles, 1951-1952.
- HARDEN, JOHN CHARLES, JR., *Assistant Professor of Mathematics.*
B.S., Mississippi College, 1947; M.A., University of Tennessee, 1949.
- HARLEY, JAMES HADLEY,* *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1946; Graduate Work, Ohio State University, 1950-1951.
- HENDRICKS, THOMAS ANDREW, *Associate Professor of Textiles.*
B.S., Clemson Agricultural College, 1937; M.S., North Carolina State College, 1951.
- HEYN, ANTONIUS NICOLAAS JOHANNES, *Professor of Natural and Synthetic Fibers.*
B.S., and M.S., Utrecht University, 1929; Ph.D., Utrecht University, 1931; Fellowship with Rockefeller Foundation, College de France, 1932-1933.
- HIND, ALFRED THOMAS, JR.,* *Assistant Professor of Mathematics.*
A.B., 1934, M. A., 1936, Emory University; Graduate Work, Columbia University, 1937-1938; University of Michigan, 1949-1950; University of Georgia, 1950-1952.
- HOBSON, JAMES HARVEY,* *Assistant Professor of Chemistry.*
B.S., University of South Carolina, 1939; M.A., Emory University, 1947; Graduate Work, Emory University, 1947-1948, 1950-1952.
- HODGE, WYLIE FORT DUPRE, *Assistant Professor of Architecture.*
Clemson Agricultural College, 1907-1909; New York School of Fine and Applied Arts, 1915-1916, 1920-1921; R.R., Gallerie di Firenze, Italy, Summer, 1931.
- HODGES, BAXTER HOWARD, *Assistant Professor of Chemistry.*
B.S., Clemson Agricultural College, 1933; Graduate Work, University of North Carolina, Summers, 1935-1939; Virginia Polytechnic Institute, Summers, 1940-1942.
- HOLMES, ALESTER GARDEN, *Professor Emeritus of History.*
B.S., The Citadel, 1897; Graduate Work, University of Chicago, Summer, 1911.
- HOLT, ALBERT HAMILTON, *Assistant Professor of English.*
A.B., 1939, M.A., 1947, University of North Carolina; Graduate Work, Vanderbilt University, Summer, 1951.
- HOWARD, FRANK JAMES, *Director of Athletics and Head Coach.*
B.S., University of Alabama, 1931.
- HUBBARD, JULIUS CLIFFORD, JR., *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942; M.S., Georgia Institute of Technology, 1950.
- HUDSON, WILLIAM GARRAUX, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1946.
- HUFF, LORENZ DITMAR, *Head of Physics Department; Professor of Physics.*
A.B., 1927, M.S., 1928, Oklahoma University; Ph.D., California Institute of Technology, 1931.
- HUGHES, DAVIS GREGORY, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1939; Graduate Work, University of Georgia, Summers, 1950, 1951.
- HUMPHREYS, HAROLD WESLEY, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., North Carolina State College, 1943; M.S., State University of Iowa, 1950.
- HUNTER, HOWARD LOUIS, *Dean, School of Chemistry and Geology; Professor of Chemistry.*
B.Chem., 1925, Ph.D., 1928, Cornell University; Massachusetts Institute of Technology, Summer, 1939.

* On leave.

- HUNTER, JOSEPH EVERETT**, *Professor Emeritus of Mathematics*.
B.S., Clemson Agricultural College, 1896; Graduate Work, University of Chicago, Summers, 1902, 1904, 1910; University of North Carolina, Summer, 1928.
- HURST, VICTOR**, *Associate Professor of Dairying*.
B.S., 1938, M.S., 1940, Rutgers University; Ph.D., University of Missouri, 1948.
- JAMESON, LAKE HUGH**,* *Instructor in Textiles*.
B.S., Clemson Agricultural College, 1942; Graduate Work, North Carolina State, 1951-1952.
- JARRELL, HERMAN ARNOLD**, *Assistant Professor of Physics*.
A.B., Catawba College, 1941; Ph.D., University of North Carolina, 1948.
- JOHNSON, RALPH BERNARD**, *Assistant Professor of Mathematics*.
A.B., Gustavus Adolphus College, 1940; M.A., Teachers College, Columbia University, 1941; M.A., University of Tennessee, 1949; Graduate Work, University of Tennessee, Summer, 1949; Peabody College for Teachers, Summer, 1951.
- JONES, CHAMP MCMILLIAN**,* *Associate Professor of Agronomy*.
B.S., Clemson Agricultural College, 1939; M.S., Cornell University, 1940; Graduate Work, Michigan State College, 1950-1952.
- JONES, JAMES BLANDING**, *Assistant Professor of Military Science and Tactics*.
Lieutenant Colonel, Infantry, United States Army; B.S., Clemson Agricultural College, 1940; The Infantry School, The Army Command and Staff College, The Air Command and Staff School.
- JONES, JESS WILLARD**,* *Associate Professor of Agronomy*.
B.S., Clemson Agricultural College, 1937; M.S., Cornell University, 1938; Graduate Work, Cornell University, 1950-1952.
- JONES, MORRIS WILEY**, *Assistant Professor of Electrical Engineering*.
B.E.E., 1947, M.E.E., 1950, Clemson Agricultural College.
- JONES, ROBERT MORGAN**, *Assistant Coach*.
B.S., Clemson Agricultural College, 1930.
- KELLY, LOUIS GRANT**, *Associate Professor of Mathematics*.
B.S., Clemson Agricultural College, 1937; M.S., University of Minnesota, 1949; Graduate Work, University of Minnesota, 1949-1950.
- KENDRICK, NISBET STOVALL, JR.**, *Instructor in Physics*.
B.S., North Georgia College, 1949; M.S., Emory University, 1950.
- KERSEY, ROBERT NOEL, JR.**, *Assistant Professor of Electrical Engineering*.
B.S. in E.E., Georgia School of Technology, 1942.
- KINARD, FRANCIS MARION**, *Dean, School of Arts and Sciences; Professor of English*.
A.B., Wofford College, 1923; A.M., University of North Carolina, 1929; Graduate Work, University of North Carolina, Summer, 1930; Litt.D., Wofford College, 1944.
- KING, WILLIS ALONZO**, *Professor of Dairying*.
B.S., Clemson Agricultural College, 1936; M.S., 1938, Ph.D., 1940, University of Wisconsin.
- KIRBY, EUGENE WILLIAM**, *Assistant Professor of Military Science and Tactics*.
Major, Quartermaster Corps, United States Army; B.S., John Carroll University, 1940; Graduate: Officers' Candidate School, 1942.
- KIRKLEY, FRANCIS EDWARD**, *Associate Professor of Vocational Education*.
B.S., Clemson Agricultural College, 1929; Graduate Work, Clemson Agricultural College, Summers, 1938-1940; University of Kentucky, Summers, 1942, 1943, 1946, 1947.
- KIRKWOOD, CHARLES EDWARD, JR.**, *Associate Professor of Mathematics*.
A.B., Lynchburg College, 1935; M.S., University of Georgia, 1937; Graduate Work, University of North Carolina, Summer, 1939; Duke University, Summer, 1940.
- KLUGH, WILLISTON WIGHTMAN**, *Head of Drawing and Designing Department, Emeritus; Professor Emeritus of Drawing and Designing*.
B.S., Clemson Agricultural College, 1896; Graduate Work, Vanderbilt University, 1898; Cornell University, 1900.
- LAGRONE, JOHN WALLACE**, *Associate Professor of Mathematics*.
B.S., Clemson Agricultural College, 1932; M.A., Vanderbilt University, 1934; Graduate Work, University of Kentucky, 1939-1940.

* On leave.

- LAMASTER, JOSEPH PAUL, *Head of Dairy Department; Professor of Dairying.*
B.S., 1913, M.S., 1928, University of Kentucky.
- LAMBERT, ROBERT STANSBURY, *Assistant Professor of History and Government.*
A.B., 1942, M.A., 1948, Ph.D., 1951, University of North Carolina.
- LANDER, ERNEST MCPHERSON, JR., *Associate Professor of History and Government.*
A.B., Wofford College, 1937; M.A., 1939, Ph.D., 1950, University of North Carolina.
- LANE, JOHN DEWEY, *Professor of English.*
A.B., Newberry College, 1920; M.A., University of Virginia, 1924; Graduate Work, Columbia University, 1928-1929; Summer, 1923; George Peabody College, Summer, 1935.
- LANGSTON, JAMES HORACE, *Professor of Textile Chemistry and Dyeing.*
A.B., Stephen F. Austin State Teachers College of Texas, 1937; M. A., 1939, Ph.D., 1941, University of North Carolina.
- LAROCHE, EVAN ALLEN,* *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942; M.S., Georgia Institute of Technology, 1951.
- LEE, RUDOLPH EDWARD, *Head of Architectural Department, Emeritus; Professor Emeritus of Architecture.*
B.S., 1896, M. Arch, 1928, Clemson Agricultural College.
- LEHOTSKY, KOLOMAN, *Associate Professor of Forestry.*
Ing., Bohemian Technical University, Prague, Czechoslovakia, 1928. Ph.D., University of Michigan, 1934.
- LEWIS, ALEXANDER DODGE, *Associate Professor of Mechanical Engineering.*
B.S. in M.E., University of Tennessee, 1939; M.M.E., Yale University, 1946.
- LINDSAY, JOSEPH, JR., *Head of Textile Chemistry and Dyeing Department; Professor of Textile Chemistry and Dyeing.*
A.B., Erskine College, 1919; M.S., University of Tennessee, 1945.
- LINDSEY, TATE JEFFERSON, *Professor of Physics.*
B.A., Mississippi College, 1928; Ph.D., Indiana University, 1936.
- LITTLEJOHN, CHARLES EDWARD, *Assistant Professor of Chemical Engineering.*
B.S., Clemson Agricultural College, 1940; M.Ch.E., North Carolina State College, 1941; Graduate Work, Virginia Polytechnic Institute, 1946-1947, Summers, 1949, 1951.
- LONG, JIM THOMAS,* *Assistant Professor of Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1943; M.S. in E.E., Georgia Institute of Technology, 1949; Graduate Work, Georgia Institute of Technology, 1951-1952.
- LOVELESS, HOWARD LOUIS, *Assistant Professor of Yarn Manufacturing.*
B.S., Texas Technological College, 1948; M.S., North Carolina State College, 1950.
- LOVETT, ROBERT EMERSON, *Acting Director of Music, Associate Professor of Music.*
B.S., Ithaca College, 1949; M.A., Teachers College, Columbia University, 1950.
- LOWRY, WALTER LEE, JR., *Acting Head of Civil Engineering Department; Professor of Civil Engineering.*
B.S. in C.E., Virginia Military Institute, 1930; M.C.E., Rensselaer Polytechnic Institute, 1938.
- MCADAMS, WILLIAM NEWTON, *Associate Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1938; M.S., University of Georgia, 1939.
- MCCAMY, CALVIN SAMUEL, *Instructor in Physics.*
B.Ch.E., 1945, M.S., 1950, University of Minnesota.
- MCDANIEL, EUGENIA INEZ, *Associate Professor of Entomology.*
B.A., Kansas University, 1908.
- MCDONALD, PATRICK HILL, JR.,* *Instructor in Mechanics and Hydraulics.*
B.S.E., North Carolina State College, 1947; Graduate Work, Northwestern University, Summers, 1949, 1950, 1950-1952.
- McFADDEN, JAMES BANKS, *Assistant Coach.*
B.S., Clemson Agricultural College, 1940.

* On leave.

- MCGARITY, HUGH HARRIS,*** *Director of Music; Associate Professor of Music.*
B.F.A., 1940; M.F.A., 1946, University of Georgia; Graduate Work, University of Southern California, Summer, 1947; Florida State University, 1951-1952.
- MCGEE, CHARLES MCKAY, JR.,** *Assistant Professor of English.*
A.B., Furman University, 1934; A.M., Duke University, 1941; Graduate Work, Duke University, 1946.
- MC HUGH, CARL MANNING,** *Associate Professor of Drawing.*
B.S., Clemson Agricultural College, 1936; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.
- McKENNA, ARTHUR ERNEST,** *Head of Weaving and Designing Department; Professor of Weaving and Designing.*
Graduate Rhode Island School of Design, 1922; Bradford-Durtee Textile School, 1925; B.S., Clemson Agricultural College, 1930; M.S., University of Tennessee, 1933.
- McMILLAN, COVINGTON,** *Assistant Coach.*
B.S., Clemson Agricultural College, 1930; M.A., George Peabody College, 1935.
- MACAULAY, HUGH HOLLEMAN, JR.,*** *Assistant Professor of Economics.*
B.S., 1947, M.S., 1948, University of Alabama; Graduate Work, Columbia University, 1951-1952.
- MACINTOSH, FRED HENRY,** *Associate Professor of English.*
A.B., University of South Carolina, 1936; M.A., Duke University, 1942; Graduate Work, Duke University, 1946, 1947-1948.
- MARSHALL, JOHN LOGAN,** *Head of Wood Shop Department; Associate Professor of Wood Work.*
B.S., Clemson Agricultural College, 1909; Graduate Work, Bradley Polytechnic Institute, 1919.
- MARTIN, RHETT FELDER,** *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force, B.S., Clemson Agricultural College, 1947; Graduate: Aircraft Maintenance School, 1942; Primary, Basic, Advanced Flying School, 1943; Night Fighter School, 1944; Academic Instructors School, 1951; Graduate Work: North Carolina State College, 1949; Clemson Agricultural College, Summers, 1949, 1950.
- MARTIN, SAMUEL MANER,** *Head of Mathematics Department, Emeritus; Professor Emeritus of Mathematics.*
B.S., The Citadel, 1896; Graduate Work, Cornell University, Summer, 1900; Harvard University, Summer 1904; University of Chicago, Summer, 1908.
- MARVIN, JOHN HENRY, JR.,** *Assistant Professor of Yarn Manufacturing.*
B.S., Clemson Agricultural College, 1941.
- MATHEWS, ANDREW CLARK,** *Associate Professor of Botany.*
A.B., 1928, M.A., 1931; Ph.D., 1939, University of North Carolina.
- MAULDIN, WILLIAM LAWRENCE,** *Assistant Professor of Agricultural Chemistry.*
B.S., Furman University, 1936; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, 1939-1940.
- MEANS, GEORGE CALVIN, JR.,** *Assistant Professor of Architecture.*
B. of Arch., Western Reserve University, 1947.
- MEEKS, CHARLES DAVENPORT,** *Instructor in Forge and Foundry.*
B.M.E., Clemson Agricultural College, 1942.
- MILLER, WILLIAM GILBERT,** *Professor of Mathematics.*
A.B., Birmingham Southern College, 1931; M.A., 1933, Ph.D., 1951, University of Florida.
- MITCHELL, JACK HARRIS,** *Professor of Chemistry.*
B.S., 1903, M.S., 1904, Alabama Polytechnic Institute; M.S., University of Illinois, 1911.
- MONROE, JAMES BEASLEY,** *Head of Vocational Agricultural Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1915; M.S., Texas A. & M. College, 1935; Graduate Work, Cornell University, Summer, 1938.

* On leave.

- MOORMAN, ROBERT WARDLAW,* *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1940; M.S., State University of Iowa, 1947; Graduate Work, State University of Iowa, 1951-1952.
- MORGAN, CHARLES LEE, *Head of Poultry Husbandry Department; Professor of Poultry Husbandry.*
B.S., 1918, M.S., 1927, University of Kentucky; Graduate Work, University of Wisconsin, 1931-1932.
- MOSS, ALEX ANDREW, *Instructor in Civil Engineering.*
B.C.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1949-1951.
- MOYD, PICKENS KINARD, *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1951.
- MUSSER, ALBERT MYERS, *Head of Horticulture Department; Professor of Horticulture.*
B.S., University of Florida, 1918; Graduate Work, Michigan State College, 1930, 1933.
- NIVER, JAMES MARION, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1951.
- NORMAN, ABSALOM WILLIS, *Assistant Coach.*
A.B., Roanoke College, 1913.
- NOWACK, ROBERT FRANCIS, *Instructor in Mechanics and Hydraulics.*
B.S., Carnegie Institute of Technology, 1948; Graduate Work, University of Pittsburgh, Summers, 1949-1951.
- NUTT, GEORGE BASS, *Head of Agricultural Engineering Department; Professor of Agricultural Engineering.*
B.S., Mississippi State College, 1930; M.S., Iowa State College, 1940.
- O'CONNELL, JOHN GABRIEL, JR., *Assistant Professor of Architecture.*
B. of Arch., University of Notre Dame, 1943.
- O'DELL, WAYNE TALMAGE, *Assistant Professor of Dairying.*
B.S., 1948, M.S., 1951, Clemson Agricultural College.
- OWINGS, MARVIN ALPHEUS, *Professor of English.*
A.B., Wofford College, 1931; M.A., 1932, Ph.D., 1941, Vanderbilt University.
- PARK, EUGENE, *Assistant Professor of Mathematics.*
A.B., University of Georgia, 1939; M.A., Lehigh University, 1941; Graduate Work, University of Wisconsin, 1947-1948.
- PERRY, ROBERT LINDSAY, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1947; Graduate Work, Clemson Agricultural College, 1947-1949, 1951.
- PETERSON, WEBER HJALMAR, *Professor of Agricultural Economics.*
B.S., 1936, M.S., 1938, Montana State College; Ph.D., University of Minnesota, 1947.
- POE, HERBERT VERNON, *Assistant Professor of Electrical Engineering.*
B.S. in E.E., North Carolina State College, 1944; M.E.E., Texas A. & M. College, 1950.
- POLK, HENRY TASKER, *Associate Professor of Chemistry.*
B.S., 1931, M.S., 1933, University of Kentucky; Ph.D., Cornell University, 1938.
- POLLARD, FRANK HOWELL, *Professor of Chemistry.*
B.Chem., 1916, Ph.D., 1922, Cornell University.
- POTTER, LARRY HOLMES, *Assistant Professor of Mathematics.*
A.B.E., 1943, M.A., 1949, University of Florida; Graduate Work, University of Florida, Summers, 1950, 1951.
- POWELL, WOODROW WILSON, *Assistant Professor of English.*
B.S., Georgia Teachers' College, 1937; A.M., Duke University, 1941; Graduate Work, University of North Carolina, 1941-1942; Duke University, 1946-1947, 1948-1949.
- PRINCE, ROBERT MELVIN, JR., *Instructor in Agricultural Engineering.*
B.S., Clemson Agricultural College, 1951.
- PURSER, DAVID INGRAM, *Assistant Professor of English.*
B.A., Furman University, 1937; M.A., Duke University, 1942; Bread Loaf School of English, Summer, 1951.

* On leave.

- RAINEY, WILLIAM THOMAS, JR.,** *Associate Professor of Textile Chemistry and Dyeing.*
B.S., Davidson College, 1939; Ph.D., University of North Carolina, 1949.
- RALLINGS, ELISHA MONROE,** *Assistant Professor of Agronomy.*
B.S., 1949, M.S., 1950, Clemson Agricultural College.
- REAVES, HARRY LEE,** *Assistant Professor of Physics.*
A.B., 1949, M.S., 1949, West Virginia University; Graduate Work, Clemson Agricultural College, 1950.
- REED, ALBERT RAYMOND,** *Associate Professor of Physics.*
A.B., Wofford College, 1925; M.S., University of South Carolina, 1931; Graduate Work, University of North Carolina, Summers, 1931, 1933.
- REED, CHARLES ALBERT,** *Professor of Physics.*
A.B., 1926, M.S., 1929, Ph.D., 1948, University of Oklahoma.
- RHODES, SAM ROSEBOROUGH,** *Head of Electrical Engineering Department; Professor of Electrical Engineering.*
B.L., 1900, M.S., 1901, Furman University; B.S., 1907, E.E., 1928, Clemson Agricultural College.
- RHYNE, ORESTES PEARL,** *Head of Modern Language Department; Professor of Modern Languages.*
A.B., Lenoir-Rhyne College, 1907; A.B., 1908, A.M., 1909, University of North Carolina; Ph.D., Johns Hopkins University, 1913; University of Heidelberg, Summer, 1914; Resident in Leipzig, 1922.
- RICHARDSON, JOE BYRON,** *Associate Professor of Agricultural Engineering.*
B.S., Mississippi State College, 1937; M.S., Iowa State College, 1938.
- RICHARDSON, JOEL LANDRUM,** *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1942.
- RITCHIE, ROBERT RUSSELL,** *Professor of Animal Husbandry.*
B.S., 1926, M.S., 1938, Iowa State College.
- RITTER, BLAIR MASTIN,** *Associate Professor of Agronomy.*
B.S., 1948, M.S., 1951, West Virginia University.
- ROBINSON, DAVID HUNTER,*** *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1941; Graduate Work, Missouri School of Mines, 1951-1952.
- ROBINSON, GILBERT CHASE,** *Head of Ceramic Engineering Department; Associate Professor of Ceramic Engineering.*
B. Cer. E., North Carolina State College, 1940.
- ROGERS, ERNEST BRASINGTON,*** *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1948; Graduate Work, Texas A. & M. College, Summer, 1950, 1951-1952.
- ROSENKRANS, DUANE BENJAMIN,** *Professor of Botany.*
A.B., Upper Iowa University, 1911; M.A., University of Wisconsin, 1917.
- ROSTRON, JOSEPH PRUGH,** *Assistant Professor of Civil Engineering.*
A.A., Pasadena Junior College, 1935; B.S. in C.E., Southern Methodist University, 1941; Graduate Work, Clemson Agricultural College, 1947-1948, 1949, 1950, 1951.
- RUSH, JOHN MILLARD,** *Associate Professor of Bacteriology.*
A.B., Indiana University, 1928; M.S., Illinois University, 1935; Ph.D., Purdue University, 1947.
- RUTLEDGE, RAY WATSON,** *Associate Professor of Botany.*
B.S., Union University, 1923; M.A., George Peabody College, 1924; Ph.D., University of Chicago, 1930.
- SALLEY, JAMES RAWORTH, JR.,** *Instructor in Chemistry.*
B.S., College of Charleston, 1937; Graduate Work, Clemson Agricultural College, 1949-1951.
- SAMS, JAMES HAGOOD, JR.,** *Dean, School of Engineering.*
B.S., Clemson Agricultural College, 1924; E.E., Cornell University, 1926; M.S., 1931, Ph.D., 1937, University of Michigan.
- SCHILDHAUER, ADOLPH FREDERICK,** *Visiting Professor of Mechanical Engineering.*
B.S., Case Institute of Technology, 1921.

* On leave.

- SCHIRMER, FRANK BONNELL, JR., *Head of Chemistry Department; Professor of Chemistry.*
B.S., Clemson Agricultural College, 1934; Ph.D., Cornell University, 1939.
- SEFICK, HAROLD JOHN, *Associate Professor of Horticulture.*
B.S., 1935, M.S., 1937, Rutgers University; Graduate Work, Michigan State College, 1941-1942, Fall, 1948.
- SENN, TAZE LEONARD, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1939; M.S., University of Maryland, 1950.
- SHACKELFORD, MACFARLAND, *Assistant Professor of Physics.*
B.S., Virginia Polytechnic Institute, 1920.
- SHELDON, DAWSON CLEMENT, *Head of Mathematics Department; Professor of Mathematics.*
B.S., State College of Washington, 1925; M.A., 1927, Ph.D., 1929, University of California.
- SHELLEY, ROBERT CLIFTON, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1940; Graduate Work, Mississippi State College, 1950-1951.
- SHIGLEY, JOSEPH EDWARD, *Head of Drawing and Designing Department; Professor of Drawing and Designing.*
B.S., in E.E., 1931, B.S., in M.E., 1932, Purdue University; M. S., University of Michigan, 1946.
- SIMONDS, JOHN DAY, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1949; M.S. in E., University of Florida, 1951.
- SMITH, CHESTER ROLAND,* *Associate Professor of Agricultural Economics.*
B.S., University of Alabama, 1941; M.A., 1947, Ph.D., 1950, University of Virginia.
- SMITH, ROBERT WILLIAM, *Assistant Coach.*
B.S., Furman University, 1934.
- SNELL, ABSALOM WEST,* *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1949; Graduate Work, Iowa State College, 1951-1952.
- STANLEY, EDWARD L., *Assistant Professor of Mathematics.*
B.S., East Tennessee State College, 1930; M.S., University of Tennessee, 1935; Graduate Work, George Peabody College, Summer, 1938; University of Missouri, Summers, 1940, 1941, Spring, 1941; Michigan State College, Summer, 1949.
- STARKEY, LAWRENCE VINCENT, *Head of Animal Husbandry Department; Professor of Animal Husbandry.*
B.S., University of Illinois, 1914; M.S., University of Wisconsin, 1917; Graduate Work, University of Wisconsin, 1930.
- STENSTROM, EDWARD FARNUM, *Assistant Professor of Industrial Engineering.*
B.S., Clemson Agricultural College, 1943.
- STEPP, JAMES MARVIN, *Professor of Agricultural Economics.*
A.B., Berea College, 1937; M.A., 1938, Ph.D., 1940, University of Virginia.
- ST. HUBERT, ROBERT LAMONTAGNE, *Visiting Professor of Architecture.*
Ecole des Beaux Arts, Paris; University of Paris.
- STILL, CHARLES NEAL, *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1949; M.S., Purdue University, 1951.
- STRIBLING, BRUCE HODGSON, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1918; M.S., Ohio State University, 1945.
- STRICKLAND, CALHOUN HAROLD, *Instructor in Dairying.*
B.S., Clemson Agricultural College, 1950.
- STUART, CHARLES MORGAN, *Assistant Professor of Mathematics.*
A.B., Wofford College, 1920; M.A., Duke University, 1935; Graduate Work, University of South Carolina, 1938, 1945.
- SULLIVAN, JOHN RUSSELL,* *Instructor in Mathematics.*
A.B., 1939, M.A., 1949, Georgetown University; Graduate Work, University of North Carolina, 1950-1952.

* On leave.

- SUTTON, JAMES FRANKLIN, *Associate Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1944; M.S., in M.E., University of Michigan, 1948; Graduate Work, University of Michigan, 1948-1949.
- SWEARINGEN, JOHN COOPER, *Assistant Professor of Military Science and Tactics.*
Major, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: Infantry School, Officers' Basic Course, 1943. Advanced Officers' Course, 1949.
- TARRANT, WILLIAM EDWARD, SR., *Associate Professor of Weaving.*
B.S., Clemson Agricultural College, 1927; M.Ed., Pennsylvania State College, 1947.
- TAYLOR, RUPERT, *Professor of English.*
A.B., 1903, A.M., 1906, University of Arkansas; Ph.D., Columbia University, 1911.
- THODE, FREDERICK WILBUR, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1940; M.S., Cornell University, 1951.
- THOMPSON, JOHN LESTER, *Assistant Professor of Yarn Manufacturing.*
B.S., Clemson Agricultural College, 1942.
- THOMSON, DANIEL PARK, JR.,* *Assistant Professor of Carding and Spinning.*
B.S., Clemson Agricultural College, 1927; Graduate Work, Furman University, Summer, 1936; Clemson Agricultural College, Summer, 1938; George Peabody College, Summer, 1938; University of Florida, 1951-1952.
- TINGLEY, FREEMAN THAYER, *Professor of Electrical Engineering.*
B.S., 1922, E.E., 1935, Bucknell University; M.S., University of Illinois, 1929.
- TREVILLIAN, WALLACE DABNEY, *Assistant Professor of Economics.*
B.S., 1940, M.A., 1947, University of Virginia; Graduate Work, University of California, 1949-1950.
- TRIVELY, ILO ALLELY, *Professor of Civil Engineering.*
B.S., in C.E., 1928, M.S. in C.E., 1941, University of Nebraska.
- TUTTLE, JACK EDWIN, *Assistant Professor of History and Government.*
B.A., 1940, M.A., 1948, Pennsylvania State College; Graduate Work, University of South Carolina, 1949-1951.
- TYNER, RAYMOND ELLIS, *Assistant Professor of English.*
A.B., Berry College, 1945; M.A., University of Georgia, 1948; Graduate Work, University of North Carolina, Summers, 1949, 1951.
- VAN BLARICOM, LESTER OSCAR, *Associate Food Technologist.*
B.S., 1938, M.S., 1940, Oregon State College.
- VAN ESELTINE, WILLIAM PARKER, *Associate Professor of Bacteriology.*
A.B., Oberlin College, 1944; M.S., 1947; Ph.D., 1949, Cornell University.
- VAN FOSSEN, RICHARD WRIGHT, *Instructor in English.*
A.B., 1949, M.A., 1951, Duke University.
- VAUSE, ROBERT ZENO, JR., *Assistant Professor of Mathematics.*
B.S., University of South Carolina, 1943; M.A., Duke University, 1947; Graduate Work, George Washington University, Summer, 1948; University of North Carolina, 1949-1951.
- VOGEL, HENRY ELLIOTT, *Instructor in Physics.*
B.S., Furman University, 1948; M.S., University of North Carolina, 1950.
- VON KAENEL, JOHN CLIFFORD, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; Colorado School of Mines, 1946-1947; Clemson Agricultural College, 1948-1950; The Infantry School, 1941.
- WADE, BAILEY THOMAS, *Assistant Professor of Mathematics.*
A.B., Franklin College, 1948; M.A., Kent State University, 1949.
- WADE, DOUGLAS EDWARD, *Associate Professor of Zoology and Entomology.*
B.A., Beloit College, 1934; M.S., University of Wisconsin, 1938.
- WAITE, EDWIN EMERSON, JR., *Associate Professor of Sociology and Psychology.*
B.S., Middlebury College, 1929; M.A., Duke University, 1940.
- WALTERS, JOHN VERNON, *Associate Professor of Textiles.*
B.S., Clemson Agricultural College, 1933; Graduate Work, Pennsylvania State College, Summers, 1940, 1941; Clemson Agricultural College, Summer 1938, 1949-1951.

* On leave.

- WARE, ROBERT EDWARD, *Associate Professor of Zoology and Entomology.*
B.S., Iowa Wesleyan College, 1929; Graduate Work, Iowa State College, Summers, 1931, 1932, 1938, 1940.
- WARNHOFF, EDWARD HERMAN, JR.,^{*} *Associate Professor of Entomology.*
B.S., Clemson Agricultural College, 1946; M.S., Texas A. & M. College, 1947; Graduate Work, Oklahoma A. & M. College, 1950-1952.
- WASHINGTON, WILLIAM HAROLD, *Dean, School of Education; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1920; M.S., Iowa State College, 1922; Graduate Work, Georgia School of Technology, Summer, 1925; George Peabody College, Summers, 1928, 1929, 1951; 1932-1933.
- WATSON, CHARLIE HUGH, *Assistant Professor of English.*
A.B., Wofford College, 1933; A.M., Duke University, 1945.
- WATSON, SAMUEL MCIVER, JR., *Associate Professor of Mechanical Engineering.*
A.B., Elon College, 1936; B.S., 1937, M.S., 1942, North Carolina State College.
- WEBB, HUBERT JUDSON, *Dean, Graduate School; Head, Agricultural Chemistry Department, Professor of Agricultural Chemistry.*
B.S., Clemson Agricultural College, 1933; Ph.D., Cornell University, 1938.
- WEBB, WILLIAM EDWARD, *Assistant Professor of History and Government.*
A.B., Hampden Sydney College, 1943; M.A., Duke University, 1947; Graduate Work, University of Virginia, 1949-1951.
- WHEELER, RICHARD FERMAN, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1947; M.S., Mississippi State College, 1949; Graduate Work, University of Illinois, 1950-1951.
- WHITE, THOMAS ARLINGTON, *Professor of Vocational Education.*
B.S., 1924, M.S., 1929, North Carolina State College; Ph.D., Cornell University, 1933.
- WHITLAW, NATHANIEL OLMSTEAD, *Assistant Professor of Military Science and Tactics.*
Lieutenant Colonel, Cavalry, United States Army; B.S., Clemson Agricultural College, 1932; Graduate: Armored School: Tank Course, 1941, Advanced Tactics Course, 1942, Officers' Instructors Course, 1945.
- WHITNEY, JOHN BARRY, JR., *Associate Professor of Botany.*
B.S., University of Georgia, 1935; M.S., North Carolina State College, 1938; Ph.D., Ohio State University, 1941.
- WHITTEN, WILLIAM CLYDE, JR., *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1947; M.S., Georgia Institute of Technology, 1950.
- WILKINS, RICHARD IRWIN, *Instructor in Architecture.*
B.S., Clemson Agricultural College, 1950.
- WILLIAMS, JACK KENNY,^{*} *Assistant Professor of History and Government.*
A.B., Emory and Henry College, 1940; M.A., Emory University, 1947; Graduate Work, University of Kentucky, Summer, 1948; University of Virginia, Summer, 1949; Emory University, 1950-1952.
- WILLIAMS, WILLIAM BRATTON, *Associate Professor of Weaving and Designing.*
B.S., 1925, M.S., 1950, Clemson Agricultural College.
- WILLIAMSON, JAMES BARNETT, *Assistant Professor of Military Science and Tactics.*
Major, Signal Corps, United States Army; B.S.E.E., University of Kentucky, 1941.
- WILLIS, SAMUEL MARSH, *Instructor in Weaving.*
B.S., Clemson Agricultural College, 1950.
- WILSON, HAROLD BETTS, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1941.
- WILSON, MILNER BRADLEY, JR., *Assistant Professor of English.*
A.B., Wofford College, 1924; A.M., Columbia University, 1936.
- WINTER, JAMES PAUL, *Assistant Professor of English.*
A.B., Marshall College, 1930; M.A., Columbia University, 1932; Graduate Work, Columbia University, 1932-1933, Summers, 1939, 1940, 1950, 1951; New York University, Summers, 1936, 1938; Tulane University, Summer, 1935.

^{*} On leave.

WITT, DAVID HAMPTON, *Instructor in Textile Testing.*

B.S., Clemson Agricultural College, 1951.

WOOD, KENNETH LEE, *Assistant Professor of Physics.*

B.S., Carson Newman College, 1932; M.S., University of Tennessee, 1934; Graduate Work, Duke University, Summer, 1940.

WOOD, ROY, *Assistant Professor of Economics.*

B.A., 1943, M.A., 1948, University of Virginia; Graduate Work, University of Virginia, 1947-1948.

WRAY, CHARLES VICTOR, *Assistant Professor of Textiles.*

B.S., Clemson Agricultural College, 1940; Graduate Work, Georgia Institute of Technology, Summer, 1951.

YOUNG, JOSEPH LAURIE, *Instructor in Architecture.*

B. Arch., University of Texas, 1950.

YOUNG, SAMUEL PARKER, *Assistant Professor of Agricultural Engineering.*

B.S., Clemson Agricultural College, 1950; M.S., University of Illinois, 1951.

INSTRUCTIONAL ASSISTANTS *

ESTES, ROBERT TRUMAN, B.S., *Chemistry*

JACOBS, WILLIAM DONALD, B.S., *Chemistry*

SMITH, JOSIAH EDWARD, B.S., *Chemistry*

CREIGHTON, JOHN HILL, *Drawing*

HENDRIX, JACK HARDIN, *Civil Engineering*

KING, JR., HENRY LEE, *Civil Engineering*

McMILLAN, JR., LESLIE LOVE, *Drawing*

MOORE, JOHN WILLIAM, *Drawing*

NELSON, ROBERT BROWN, B.S., *Physics*

WOOD, ARTHUR EVERETT, B.S., *Physics*

BODDIE, SAMUEL WILLIAMS, B.S., *Textile Chemistry and Dyeing*

BOYKIN, JAMES DECATUR, B.S., *Zoology and Entomology*

* List of Instructional Assistants compiled October 1, 1951.

STANDING COMMITTEES OF THE FACULTY

1951-1952

ADMISSIONS:

Vickery, *Chairman*; Cook, J. C., Garrison, O. B., Gentry, Langston, Mauldin, Stanley.

ATHLETICS:

Milford, *Chairman*; Gage, Mitchell, J. H., Morgan, T. W., Rhodes, F. J. Howard, Coach, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*; G. E. Metz, Registrar, *ex officio*.

BUILDINGS AND GROUNDS:

Watson, D. J., *Chairman*; Gates, Glenn, H. E., Hill, H. H., Musser, Nutt, Rhodes, Sams, Webb, H. J.

CALENDAR:

Howard, A. M., *Chairman*; Allen, M. C., Crouch, Evans, J. C., Gribbin, Hill, H. H., Holtzendorff, Metz, Mrs. Metz, Morgan, T. W., Murphy, McGarity, Miss Shanklin, Spangenberg, Woodward, The Commandant, Editor of the Tiger, President of the Senior Class, President of Tiger Brotherhood, President of Blue Key, President of Central Dance Association.

CATALOG:

Vickery, *Chairman*; Brown, A. J., Bradbury, Kinard.

CONCERT SERIES:

Metz, *Chairman*; Burtner, Cook, J. C., Hill, G. H., Califf, Hunter, McGarity, Miss Shanklin, Vickery, Watson, D. J., President of Mu Beta Psi, President of the Senior Class, Editor of the Tiger.

CURRICULA:

Kinard, *Chairman*; Brown, H. M., Cooper, H. P., Hunter, Metz, Sams, Sheldon, Washington, Webb, H. J.

DEFICIENT STUDENTS:

Kinard, *Chairman*; Cook, J. R., Dinwiddie, Gentry, LaGrone, McKenna, Stanley, Tingley, Watson, C. H.

ETHICS AND RELIGION:

Crouch, *Chairman*; Allen, M. C., Evans, J. C., Gribbin, Holtzendorff, Murphy, Stockman.

EVALUATION OF TRANSFER CREDITS:

Owings, *Chairman*; Gage, *Vice-Chairman*; Vickery, *Secretary*; Berne-Allen, Epting, Felder, Huff, Lindsay, J., Means, Morgan, C. L., Nutt, Polk, Rosenkrans, Sheldon, Stribling, B. H., Trively, Watson, S. M.

FOOD AND NUTRITION:

LaMaster, *Chairman*; Lease, Littlejohn, J. C., Milford, Morgan, C. L., Musser, Nutt, Patrick, Starkey, Van Blaricom, J. G. Lindsay, Mess Officer, *ex officio*.

GRADUATE WORK:

Webb, H. J., *Chairman*; Anderson, Arndt, Aull, Brown, H. M., Carodemos, Collings, Cook, J. M., Farrar, Freeman, Garrison, O. B., Glenn, H. E., Green, J. C., Heyn, Huff, Hunter, King, Lander, Miller, Rainey, Sams, Schirmer, Taylor, R., White.

KRESS RESEARCH:

Brown, H. M., *Chairman*; Carodemos, Lindsay, J., Sheldon, Stepp, Tingley, Webb, H. J., White, Miss Graham, Librarian, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*.

LIBRARY:

Owings, *Chairman*; Aull, Berne-Allen, Bolen, Bryan, Carodemos, Carpenter, Collings, Lindsay, J., Rosenkrans, Stanley, Taylor, R., Watkins, Whitney, Miss Graham, Librarian, *ex officio*.

LOANS:

Littlejohn, J. C., *Chairman*; Brown, A. J., Cox, W. T., Hill, G. H., Howard, F. J., Vickery.

PUBLIC LECTURES:

Bolen, *Chairman*; Cloaninger, Freeman, Green, J. C., Goodale, Lane, Langston, Lindsey, T. J., Stribling, B. H.

PUBLICATIONS AND RADIO:

Lane, *Chairman*; Howard, A. M., *Secretary*; Bryan, Califf, Cox, W. T., Eleazer, Napier, Seabrook, Stribling, S. C.
(J. D. Lane, Faculty Adviser for student publications.)

RECREATION:

Webb, H. J., *Chairman*; Cannon, Epting, Gage, Glenn, H. E., Godbey, Hill, G. H., Kirkley, Musser, Nutt, Patrick, Roark, Wade, D. E., Watson, D. J.

RESEARCH, PLANNING AND DEVELOPMENT:

Brown, H. M., *Chairman*; Arndt, Carodemos, Heyn, LaMaster, Musser, Nutt, Peterson, Robinson, G. C., Sams, Watson, D. J.

SCHEDULE:

LaGrone, *Chairman*; Beaven, Brock, J. L., Epting, Gage, Huff, Hunter, McGee, Morgan, C. L., Richardson, J. B., Swearingen, Tingley, Vickery.

SCHOLARSHIP AWARDS:

Metz, *Chairman*; Brown, A. J., Gage, Kinard, Rutledge, Shigley, White.

SCHOLARSHIP AND HONORS:

Sheldon, *Chairman*; Carodemos, Curtis, Gentry, Hallmark, King, Lindsay, J., MacIntosh, McKenna, Monroe, Schirmer.

SOCIAL FUNCTIONS:

Cox, W. T., *Chairman*; Brewster, Cox, H. M., Curtis, Gates, Green, J. C., Hill, G. H., Holt, Holtzendorff, Hughes, Miles, Nowack, Park, Tyner, Tingley, Walker, Williams, W. B., The Commandant.

STUDENT GOVERNMENT:

Goodale, *Chairman*; Armstrong, Lane, Marshall, Metz, Owings, The Commandant.

STUDENT ORGANIZATIONS (Including Honor Societies):

Schirmer, *Chairman*; Brock, J. L., Cloaninger, Collings, Freeman, Goodale, Marshall, Sheldon, Vickery.

STUDENT WELFARE:

Lane, *Chairman*; Aull, Bell, Campbell, Coker, Cook, J. C., Hill, G. H., Hunter, Jones, R. M., LaMaster, Mauldin, Metz, Moorman, Sams, Washington.

UNIFORMS:

Littlejohn, J. C., *Chairman*; Brown, A. J., Cannon, Cartee, Hill, G. H., The Commandant, Senior ROTC Quartermaster Instructor, Douthit, Trustee Member.

VISITORS:

Woodward, *Chairman*; Califf, Goodale, Hill, G. H., Hill, H. H., Holtzendorff, Sams, Miss Shanklin, Watson, D. J., The Commandant.

Y.M.C.A.:

Aull, *Chairman*; R. F. Poole, President, *ex officio*; Cloaninger, Earle, Goodale, Green, J. C., Hunter, J. E., Kinard, Littlejohn, J. C., Douthit, J. B., Trustee Member; Young, T. B., Trustee Member; Folger, T. A., Alumni Member; Henry, J. A., Alumni Member; President of Y. M. C. A., *ex officio*; Holtzendorff, Jr., P. B., General Secretary of Y. M. C. A., *ex officio*.

OTHER OFFICERS AND ASSISTANTS *

WALTER THOMPSON COX, B.S.—

Assistant to the President, Director of Public Relations and Alumni Affairs

JACOB HENRY WOODWARD.....*Assistant to the President*

VIRGINIA EARLE SHANKLIN, A.B.....*Secretary to the President*

KENNETH NOTLEY VICKERY, B.S.....*Director of Admissions*

REGINALD JUSTIN BERRY, B.S.....*IBM Consultant and Supervisor*

HELEN COKER, A.B.....*Recorder*

EARLE BAKER SCOTT, B.S.....*Assistant to the Registrar*

NETTIE C. WOODLE.....*Transcript Clerk*

JOHN GOODMAN, B.S., A.B. in L.S.....*Assistant Librarian*

JAMES MITCHELL REAMES, B.A., B.S. in L.S.....*Reference Librarian*

MARGY H. NOWACK, A.B.....*Acquisition Librarian*

SARAH SHIRLEY LANDER, A.B., B.S. in L.S.....*Gov't Document Librarian*

KATHRYN D. RYALS, B.S., B.S. in L.S., M.A.....*Circulation Librarian*

MARY C. STEVENSON, A.B.....*Cataloger*

MARJORIE DEW, A.B., B.S., M.S. in L.S.—

Bibliographer and Special Aid to Students

CORRINE H. GOLDBAR, B.A.....*Assistant to Circulation Librarian*

JOHN WIETERS CALIFF, JR., B.S.—

Associate Director of Public Relations and Alumni Affairs for Information

ALVIN MCNEIL HOWARD, B.S.—

Associate Director of Public Relations for Athletics

GRAHAM HAMILTON HILL.....*Assistant Business Manager*

VIRGINIA POOLE, A.B.....*Assistant to the Business Manager*

KENNEY R. HELTON.....*Internal Auditor, Business Manager's Office*

HENRY HUGHES HILL, JR., B.S.....*Manager, Housing Project*

TRESCOTT NEWTON HINTON, B.A.....*Bookkeeper*

JOSEPH SHELOE WALKER, B.S.....*Bookkeeper*

HELEN MORRISON.....*Assistant to the Treasurer*

JAMES B. JONES, Lieutenant Colonel, U. S. Army.....*Adjutant*

THOMAS E. FRIAS, Master Sergeant, U. S. Air Force.....*Sergeant Major*

HENRY W. RIMMER, Master Sergeant, U. S. Army.....*Sergeant Major*

WALTER E. SLIVKA, Master Sergeant, U. S. Army.....*Disciplinary Sergeant*

IRENE JULIAN, R.N.....*Director of Nurses*

MYRTLE DEAN.....*X-Ray and Laboratory Technician*

GLADYS MITCHELL, R.N.....*Clinical Supervisor*

LOIS WRIGHT, R.N.....*Bedside Supervisor*

DAVID JOSEPH WATSON, B.S.....*Supt. of Buildings and Grounds*

WILLIAM ERNEST MCGUIRE.....*Asst. Supt. of Buildings and Grounds*

JAMES G. LINDSAY.....*Mess Officer*

LUTHER FIELDS, JR., B.S.....*Assistant Mess Officer*

MARGARET C. COCHRAN, B.S.....*Dietitian*

ALDRICH A. ATKINSON, B.S.....*Assistant to Mess Officer*

FRED LEONARD ZINK, JR.....*Acting Manager, Clemson House*

PRESTON BROOKS HOLTZENDORFF, JR., LL.B.....*General Secretary, Y. M. C. A.*

JOHN ROY COOPER, B.S., M.A.....*Associate Secretary, Y. M. C. A.*

MARION CARROLL ALLEN, B.A., B.D.....*Pastor, Baptist Church*

JAMES L. SPANGENBERG, A.B., B.D.....*Minister to Baptist Students*

ROBERT J. MURPHY, C.S.P.....*Pastor, Catholic Church*

ROBERT EMMET GRIBBIN, JR., B.A., S.T.B.....*Rector, Episcopal Church*

ENOCH D. STOCKMAN, A.B., B.D.....*Pastor, Lutheran Church*

JOSEPH CLAUDE EVANS, A.B., B.D.....*Pastor, Methodist Church*

SYDNEY J. L. CROUCH, B.D., Th.D.....*Pastor, Presbyterian Church*

* List of other officers and assistants compiled October 1, 1951.

THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD

PART II

Information

PART II—Information

GENERAL INFORMATION

Clemson is a land-grant college, a state institution, and one of the A. and M. colleges which emphasizes agriculture and mechanical industries. Clemson is fully accredited by the Southern Association of Colleges and Secondary Schools.

The twenty-nine curricula under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles form a background of training for the hundreds of occupations in which Clemson graduates engage. In addition to the training for a specific occupation, each curriculum is broadened to include fundamental training in the occupational area as well as the worthwhile values of general education. Although the College is organized on the university plan of various schools, it retains its entity through the inter-relationships of schools and departments in providing a well-balanced educational program.

The enrollment of Clemson has grown from 446 students in the opening of the college in 1893 to a pre-war peak of 2,381 and a post-war peak of 3,360 for the first semester, 1949-1950. Since the opening of the college 29,777 students have attended Clemson and of this number 10,147 have been awarded the bachelor's degree.

REQUIREMENTS FOR ADMISSION

Entrance Requirements. The requirements for entrance to Clemson include graduation from an accredited high school with at least 16 units. Of the units presented for admission it is suggested, though not required, that at least three be in English, one and one-half in algebra, and one in plane geometry.

Students who cannot fulfill the requirements outlined above may be considered for admission as follows:

(1) Applicants who have qualified for a South Carolina High School Certificate by examination are given very careful consideration. The final decision is dependent upon the quantity and quality of such work as has been completed in high school as well as upon the fact that the applicant has qualified for the certificate.

(2) Mature students who cannot meet the formal requirements indicated above but who have an adequate educational background for scholastic work in college may qualify for admission by passing the entrance examinations. Further information will be furnished on request.

Application Blanks. Blanks to be used in applying for admission may be obtained from the Director of Admissions, Clemson College, Clemson, South Carolina.

Placement Tests. Placement tests, required of all students, are given within a day or two after matriculation. The placement tests consist of examinations on basic information in mathematics and English. The purpose in giving the tests is to determine which students are in need of review courses in mathematics and English before attempting college courses in these important subjects. It is in the interest of the student that he is required to take such a review course if he does not make a qualifying score on the placement test. Such students may begin taking their other freshman subjects, but will postpone freshman mathematics, English, or both, until after they complete satisfactorily the review course or courses required. All new students will be required to take the placement tests, but those who have previously completed college courses in mathematics and English will not be required to take the review courses in these subjects.

Admission to Advanced Standing. Work that has been completed in other colleges will be carefully considered and evaluated in terms of equivalent courses in the curriculum at Clemson selected by the student. The applicant must present for consideration: (a) a statement of honorable dismissal from the institution last attended, (b) an official transcript of his record, including entrance credits and (c) an official statement that he is eligible to return to the institution last attended. College credits given by transfer are provisional and may be cancelled at any time if the student's work is unsatisfactory. A student coming from another institution must spend at least one regular session in the College before he is eligible to apply for a degree.

Matriculation. Students upon arrival at the College at the opening of the session must report at once to the Registrar's Office. New students will be directed in the procedure necessary to complete their enrollment. A student's matriculation with the College

is equivalent to his pledge to conform to the rules of the institution. Any admission gained or matriculation made irregularly is subject to cancellation.

EXPENSES

Settlement of College Fees. The Treasurer of the College is the fiscal officer and all transactions relating to payments must be conducted through him. The entrance payment includes the full cost of uniform plus fees and living expenses for the first quarter and must be made before a student can be assigned to a room in barracks or permitted to begin work. Other payments are due as indicated. Remittances should be made in cash, money order, cashier's check, or by local check made payable to A. J. Brown, Treasurer. All remittances made by mail must be addressed to: The Treasurer, Clemson College, Clemson, South Carolina. A personal check which is given in payment of dues and is returned by the bank unpaid automatically cancels a student's reservation and automatically drops from class rolls a student who is in school.

Expenses. The cost to South Carolina barracks students for board, laundry, room, all fees, and tuition will amount to \$599.20 for the 1951-1952 session. Students from other states pay an additional \$170.00. The State Law requires that all non-resident students pay the out-of-state tuition. The bona fide residence of the parent, or legal guardian, determines the residence of the student. The college reserves the right to adjust expenses to current costs.

In addition to the expenses indicated above, each freshman cadet will pay to the College Treasurer the cost of the uniform. For the 1951-1952 session the cost of the uniform was \$135.50 plus \$4.07 tax.

The 1951-1952 payments for regular cadets, including room, board, laundry, all fees, tuition, and uniform are indicated below:

	South Carolina	Non-Resident
<i>Payments Due</i>	<i>Students</i>	<i>Students</i>
At entrance	*\$289.37	*\$331.87
November 12	149.80	192.30
January 31	149.80	192.30
April 1	149.80	192.30

* Includes \$139.57 for freshman uniform.

The payments for room, board, and laundry, for qualified non-ROTC veterans staying in the barracks are given below:

<i>Payments Due</i>	<i>Qualified Veterans in Barracks</i>
At entrance	\$103.50
November 12	103.50
January 31	103.50
April 1	103.50

For veterans qualified for benefits under the G. I. Bill or Veterans' Vocational Rehabilitation, the Veterans Administration pays tuition fees and the costs of necessary books and supplies. The veteran pays his own living expenses but the subsistence checks to be received by the veteran will more than reimburse him for the cost of living in the barracks at Clemson.

Information concerning payments for Day Cadets will be furnished on request.

Books and Supplies. The cost of books is not included in the figures given above. The cost of freshman books and supplies varies according to the student's major course. The cost of books and supplies at the beginning of the regular session will range from forty to fifty dollars exclusive of drawing instruments and supplies. For veterans, qualified for benefits under the G. I. Bill or Veterans' Vocational Rehabilitation, books and educational supplies will be issued, the cost to be paid by the Veterans Administration.

Uniforms. Clemson cadets are wearing a distinctive gray uniform of a design and material similar to that worn in pre-war days. The garments required are: 1 gray service coat, 2 gray service trousers, 3 gray cotton trousers, 1 service cap, 1 blue mackinaw, 1 web waist belt, 1 coat belt, 6 gray cotton shirts, and 1 raincoat. Insignia are purchased by the individual in addition to these major items.

After the first year, the cadets will be required to purchase only needed articles. Based on prior usage factors, the minimum requirements for each successive year will be \$26.57.

In this connection, parents are advised that those students who are successful in entering ROTC receive a substantial amount from the United States government in the form of commutation of uniform, specifically, \$25.00 each year for the Freshman and Sophomore years and \$90.00 for the Junior and Senior years combined. These amounts may vary slightly from year to year.

Refunds. No refunds will be made on Tuition and Fees other than living expenses after five weeks attendance during the semester. Refunds for periods of attendance during the semester of less than five weeks will be based upon a charge of 20% for less than two weeks, 40% between two and three weeks, 60% between three and four weeks and 80% between four and five weeks.

Living expense items will be refunded on a pro rata basis, holidays excepted, for periods unused in excess of two weeks.

Lost or Damaged Articles:

The College will not be liable for articles lost or stolen in the barracks.

The College will not be liable for lost or damaged laundry unless reported within two days after the date upon which the laundry was due to be delivered, and then not more than the actual depreciated value of such articles as have been lost or damaged.

Student Banking Accounts. For the convenience of students the College operates a banking department in the Treasurer's Office where money can be deposited and withdrawn as the occasion may demand. This service is purely local. Students are urged to deposit their money in the bank and not to keep it in their rooms.

Optional Expenses. It is not possible to give an estimate of a student's expenditures for such amusements as dancing, moving pictures, etc. This depends largely upon the disposition of the young man. The College endeavors to reduce to a minimum the temptation to spend money needlessly, but the authorities cannot be responsible for a student's private expenditures. This must be a matter between him and his parents.

Transcripts. Official transcripts of scholastic records are issued on request. One transcript is furnished free; additional copies are issued for one dollar each. Remittances for transcripts should be made payable to The Treasurer, Clemson College, but should accompany transcript requests and should be mailed to The Registrar.

Student Aid. A number of young men secure positions as waiters in the mess hall, for which service they are paid at the

rate of about fifteen dollars a month. These positions are filled by the Mess Officer, to whom all correspondence should be addressed.

FINANCIAL ASSISTANCE

The College is in need of funds to lend worthy students. Donations for this or other purposes may be made to the Board of Trustees of Clemson College, or to the Trustees of the Clemson Alumni Foundation. The President of the College or the Secretary of the boards named above will be glad to communicate with any person who is interested in establishing such a fund.

Sources of financial assistance at Clemson are listed below:

The William Wilson Finley Loan Fund. The sum of \$1,000.00 has been deposited with the College to be used as a loan fund to students living in counties traversed by the Southern Railway or the Blue Ridge Railway.

The George Cherry Foundation. Mrs. Mary Cherry Doyle has donated \$1,000.00 to aid worthy and needy students from Oconee County and that part of Anderson County including Pendleton. This fund is not available for first-year students.

Clemson Student Loan Association Fund. A number of interested teachers, officers, alumni, and friends of Clemson College have contributed \$2,500.00 to be loaned to worthy Clemson students.

The Wade Stackhouse Loan Fund. A gift of \$20,000.00 from Dr. Wade Stackhouse of Dillon, whose father, the late Hugh Milton Stackhouse, was a trustee of Clemson, has been deposited with the College. The fund is designed to furnish assistance through loans to ambitious Clemson graduates who give promise of becoming leaders in research.

Daniel Memorial Loan Fund. Interest on \$10,000.00 given by Daniel Construction Company as a memorial to the late James Fleming Daniel and Fred Adams Daniel, father and brother respectively, of the officers of the corporation.

The Alexander P. Anderson and the Lydia Anderson Fellowship. Mr. and Mrs. Anderson have given to the Clemson Agricultural

College the sum of \$12,500.00 for the purpose of establishing a fellowship fund. The income from this trust fund is to be used for the purpose of awarding a scholarship or fellowship to one or more Clemson graduates for advanced work in biological sciences including bacteriology and entomology. The scholarship is to be awarded annually by the faculty of the Clemson Agricultural College to an outstanding student. The name of the beneficiary is reported to the Board of Trustees, and an accounting of the funds by the Treasurer of the College is made annually.

The Sears, Roebuck Agricultural Foundation has made funds available for freshman agricultural scholarships at Clemson for the past several years. There are thirteen one-hundred-fifty-dollar Sears, Roebuck Scholarships available for 1951-1952 for freshmen who major in agriculture. The scholarships are awarded on the basis of a competitive examination. Further information concerning these awards may be secured from Dr. H. P. Cooper, Dean, School of Agriculture, Clemson College, Clemson, South Carolina.

Warwick Chemical Foundation in Memory of Manfred Caranci. The sum of \$3,000.00 to be held as part of the general capital endowment funds and the income to be used from time to time as the governing board shall from time to time designate, primarily for scholarships to encourage education and research in chemistry and to enable worthy students to pursue graduate studies in chemistry, and otherwise to promote chemical education.

Howard Carlisle Copeland Memorial Fund. The family of Howard Carlisle Copeland, who gave his life during the recent war, has set up a permanent memorial fund to be known as the Howard Carlisle Copeland Fund. Each year the interest from the fund shall be given to the boy who has made the greatest endeavor financially to stay in college. In 1951 this award was made to Robert Blanding Johnson of Sumter, South Carolina.

Ben and Kitty Gossett Scholarship Fund. A trust fund of \$10,000.00 administered by the President of the College and Trustees of the Clemson College Foundation, the interest from which is available for scholarships. First consideration in awarding these scholarships is to be given to young men whose families are employed in the textile mills of South Carolina.

BUILDINGS AND GROUNDS

Buildings. Tillman Hall houses the offices of the President, the Registrar, the Commandant, the Treasurer, the Business Manager, the Professor of Military Science and Tactics, and the Dean of the School of Arts and Sciences. This building also has over twenty classrooms. At the north end of the building is Memorial Hall, the College Auditorium, with a seating capacity of about eighteen hundred.

The Library Building, located in approximately the center of the campus, houses the Main Library, the Agricultural Reference Department, the Museum, the Recreational Reading Room, Radio Room and the Music Room. The Social Science Department uses four classrooms on the second floor, and the Mailing Room for the Experiment Station and Extension Departments is on the basement floor.

The Library contains 125,000 bound volumes, consisting of books, periodicals and U. S. Government Publications. In addition to the bound volumes the Library contains 739,322 unbound Federal, State, Experiment Station and Extension Service publications, 7,393 unbound periodicals and 87,800 pamphlets and clippings in the vertical subject file.

The Museum is located on the balcony of the Main Reading Room. It contains many interesting items—Indian Relics, mounted birds and animals, and World War I and II relics, all of which were gifts from friends and alumni.

The Recreational Reading Room is located in the basement of the Library Building, is beautifully and comfortably furnished, and contains many popular and attractive books, current magazines, and daily newspapers.

The Music Room, also located on the basement floor, contains a Carnegie Collection of 1,285 recordings of classical and semi-classical music, an RCA record player, along with music scores and other books relating to music.

The Library Staff consists of nine professionally trained Librarians and several other non-professional assistants and clerical workers. A trained Librarian is always on duty to assist faculty and students.

The Library is open daily from 8 a. m. until 10 p. m., Monday through Friday, from 8 a. m. to 5:30 p. m. Saturdays, and from 2 p. m. to 10 p. m. Sundays, with the exception of holidays.

The instructional work of the institution is maintained largely in the departmental buildings. The Schools of Agriculture, Engineering, Textiles, Education, and Chemistry have individual buildings especially designed for their purposes. The School of Arts and Sciences is located in the Administration Building and the Physics Building with additional classrooms in the Library. Certain laboratory work is conducted at the greenhouses, livestock barns, poultry plant, veterinary hospital, and other buildings on the college farm.

The cadet barracks consist of nine large brick buildings—five of which were constructed since 1935. All barracks are steam-heated, electrically lighted, and supplied with hot and cold water. The rooms in the barracks are furnished with single-width iron beds and other necessary equipment.

The Hospital, located about a quarter of a mile from the barracks, is a wooden building, especially designed for the purpose. The equipment includes a Victor x-ray machine, a new Burdick ultra-violet ray machine, and a Sorensen machine of the latest design for ear, eye, nose, and throat treatments.

The Y. M. C. A. building is a four-story structure equipped with club rooms, lounge rooms, game rooms, and has in addition, thirty rooms available for permanent roomers, guests, and transients. Some of these rooms are reserved for members of the Extension Department and other visitors and guests, and are equipped with connecting or private baths. Having an auditorium, gymnasium, and swimming pool, the Y. M. C. A. building is admirably fitted to serve as a center of social activities and voluntary religious work. Two auditoriums equipped with heating and cooling systems provide accommodations for numerous conferences, especially during the summer months when fewer students are in school.

The Physical Education Building consists of a central office and dormitory section, a field house, and a gymnasium.

The Laundry, which is operated exclusively for the students, is a brick building, equipped with improved modern machinery.

Fort Hill, the former home of John C. Calhoun, is located on the Clemson campus. In accordance with the provisions of Mr. Clemson's will, this residence has been made a shrine in honor of Mr. Calhoun. Several pieces of furniture and other interesting relics, formerly the property of Mr. Calhoun, are carefully preserved in this home, where they may be seen by visitors to the college.

Grounds. The college grounds comprise about 1,645 acres, including the campus, the farm, and the Experiment Station grounds. The two-hundred-acre campus is laid out in walks, drives and lawns, and is shaded by a beautiful grove of native forest trees.

LIVING CONDITIONS

At Clemson cadets live in barracks under military discipline. A cadet must at all times be present or accounted for. The barracks or dormitories are divided into "halls" for military purposes, a company being assigned to a hall under the supervision of cadet officers.

Cadet officers remain on duty both day and night at the guard room, in which is located a long-distance telephone with twenty-four-hour service.

Each student room is equipped with necessary furniture. The beds are single width. Bed linen, bed covers, pillows, and towels must be furnished by the students. All students are required to provide themselves with two laundry bags. These laundry bags should not be less than 20 by 30 inches.

The dining hall, or mess hall, is located in Barracks No. 1. It is equipped and is under the supervision of the mess officer. The kitchen and cold storage plant are among the best in the South. All students living in the barracks eat in the dining hall.

Three hundred and ninety-eight houses for veteran students with families are also provided. These houses are the prefabricated type and are equipped with space heater, cooking range, hot water heater and ice boxes. Applications should be submitted to the Clemson Housing Project, located in the Administration Building.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

Clemson is classified as a Military College by the Department of the Air Force and the Department of the Army. Both departments maintain senior division units of the ROTC at Clemson and all cadets of the college are required to take military training. The basic ROTC course is compulsory for the first two years for all physically qualified students, unless they have completed the basic course at other schools or are veterans enrolled under Public Law 16 or 346. Qualified veterans of World War II who are not in the Cadet Corps are excused from all military functions. They may elect to become members of the ROTC with permission of the Professor of Air Science and Tactics or the Professor of Military Science and Tactics, in which event they become members of the Clemson Cadet Corps.

The mission of the Reserve Officers' Training Corps is to produce junior officers having qualities of leadership and attributes essential to their progress and continued development as commissioned officers in either the Air Force or the Army of the United States.

To implement this mission a four-year program is offered consisting of the basic course for freshmen and sophomores and the advanced course for juniors and seniors. In addition to this classroom instruction two hours are devoted to drill and ceremonies and one hour to inspections each week.

Students who complete the prescribed ROTC courses and receive a bachelor's degree are awarded commissions in either the Air Force Reserve, Regular Air Force, Army Reserve or the Regular Army. Each student receives three credit hours for each semester of advanced ROTC successfully completed, all of which are counted as approved credits in the curricula toward a degree.

Members of the advanced course are required to attend one summer camp, normally between the junior and senior years. All students attending camp are reimbursed for travel at the rate of five cents per mile for the round trip, and are messed, housed, uniformed and receive medical attention at government expense while at camp. This camp is normally of six-weeks' duration.

The training at camp consists of demonstrations and a practical application of the theoretical knowledge learned in the classroom. In addition to this training, the student has an opportunity to par-

ticipate and compete in healthy outdoor sports with young men from other colleges. A religious program is conducted at each camp.

Outstanding Air Force and Army students who attain creditable grades in both academic and Air or Military Science subjects during their junior year and who possess outstanding qualities of leadership, character and aptitude for military service may be designated, with the approval of the College President, as Distinguished Military Students by the PAS&T or PMS&T. Those who maintain this outstanding record during their senior year may be designated as Distinguished Military Graduates. A Distinguished Military Graduate may apply for appointment as a Second Lieutenant in the Regular Army or Air Force.

The statutory requirements for enrollment in ROTC are that the student must be a citizen of the United States, physically qualified by standards as prescribed by the Department of the Army and the Air Force and accepted by the institution as a regularly enrolled student. In addition, the student must be not less than fourteen years of age and must not have reached his twenty-third birthday at the time of initial enrollment in the basic course. At the time of initial enrollment in the advanced course of the Air Force ROTC, the student must not have reached his twenty-fifth birthday. At the time of the student's initial enrollment in the advanced course of the Army ROTC, the student must not have reached his twenty-seventh birthday.

In addition the student must successfully complete such general survey screening tests as may be required and must agree in writing to serve a stipulated period in the Army or Air Force Reserve. As a member of the Reserve the student will be subject to call by the Department of the Army or Air Force for a tour of active duty.

Good moral character is a prerequisite for enrollment and continuance in the ROTC.

Currently, commutation in lieu of uniforms is paid to basic ROTC students at the rate of \$25.00 per year, not to exceed two years. Advanced ROTC students receive \$100.00 commutation in lieu of uniforms for the junior and senior year combined and commutation in lieu of subsistence at the rate of ninety cents per day for a total not to exceed 595 days. While in attendance at summer camp, advanced students receive the regular pay of the seventh enlisted grade. Veterans are paid these allowances in addition to the benefits authorized by the G. I. Bill of Rights.

Air Force. Air Force ROTC instruction stresses an academic college level program. Emphasis is placed on maximum accomplishments in the student's chosen field of study. This knowledge is increased by further study and correlation to a corresponding specialty field in the Air Force.

Students selected for the advanced course are offered their choice of one of three Air Force career fields. The choice of the Air Force course selected must be consistent with the following academic major fields. Enrollment quotas are filled with students who are pursuing or intend to pursue the academic major specified as first choice before selection of those pursuing second choice or third choice major fields.

Aircraft Maintenance
Engineering
Armament

1. Mechanical Engineering
2. Any branch of Engineering
1. Mechanical Engineering
Electrical Engineering
Chemical Engineering
2. General Engineering
Chemistry
Biology-Bacteriology
Physics

Flight Operations

1. Any major field leading to the Bachelor's Degree

The course in Aircraft Maintenance Engineering emphasizes the general theory and principles and the use of equipment instead of the details of specific models. Engineering students will learn how ease of operation and economy in inspection and maintenance of any machine or accessory is a vital factor to be considered in initial design.

The Armament course includes instruction in electronics, amplidyne and thyratron fire control systems augmenting the subject-matter of the student's academic major. The theory of operation, maintenance procedures, and supply procedures are stressed to develop a practical, timely and lasting understanding of the Armament field. The average Armament officer is not required to design armament equipment but he must make it operate successfully under varying conditions.

Only those students who desire and are physically qualified for flight training after graduation are enrolled in the Flight Operations

course. This course is designed to provide a foundation for the academic phase of training in flying schools of the Air Training Command.

Army. The student is permitted to select the ROTC course he desires consistent with his major course and established quotas for each service.

For enrollment in a particular Army branch, the student must be majoring in one of the major courses indicated below:

Armor	—Any major course.
Corps of Engineers	—Any engineering course, Architecture, or any major course leading to a scientific degree.
Infantry	—Any major course.
Ordnance Corps	—Any engineering course or any major course leading to a scientific degree.
Quartermaster Corps	—Any major course.
Signal Corps	—Any engineering course, Industrial Physics, Arts and Sciences, or any major course leading to a scientific degree.

For all practical purposes the student will, upon completion of sophomore ROTC, select the same branch in the advanced course as he pursued during the sophomore year.

Band. Talented ROTC students are encouraged to join the Band Company of the Clemson Corps of Cadets. Instruments are furnished by the college and the Departments of the Air Force and Army. The Band is composed of over one hundred members and is under the musical direction of a competent director.

Rifle Team. Rifle teams chosen through individual competition compete in the Air Force and Army Matches, the Hearst Matches and the National Intercollegiate Matches. Both postal and shoulder matches are fired each year with other colleges and universities. The firing is conducted with modern small-bore target rifles in an indoor range. The team members earn the minor "C" and sweater.

STUDENT HEALTH SERVICE

The Surgeon, who has complete charge of the hospital, is one of the regular officers of the college, and his special duty is to look after the health of the students.

At a specified time every day, students who desire may consult the Surgeon, and those who are admitted to the hospital are cared for by experienced nurses in the college hospital. In case of necessity students are allowed to consult the Surgeon at any time, or to send for him in an emergency.

The Surgeon cannot undertake to notify parents every time a student reports to the hospital for medicine, or for rest on account of some slight complaint. However, they may rest assured that they will be notified at once of sickness of any consequence.

The medical fee paid by each student is intended to cover all ordinary cases of sickness and their treatment. It is not intended to cover fees of doctors or specialists called into consultation, for performing operations, for special nurses, or for any medical or surgical attentions performed away from the college; and the college does not assume any responsibility for accidents that happen away from the college. Such expenses must be borne by the parents. The right of the College Surgeon, with the approval of the President of the college, to incur in behalf of any student under his care any of these extra services is hereby expressly reserved.

RELIGIOUS INFLUENCES

Clemson cooperates with the various churches and the Y. M. C. A. in the religious training of its students. The Y. M. C. A., located on the campus, provides accommodations for all denominational groups not having church homes on the campus and is used a great deal by campus church groups, often because it is so convenient and accessible. Numerous union services and cooperative meetings of young people's societies of the campus churches, of the Y. M. C. A. Councils, and Cabinet afford a united front for religious services.

Six denominations: Baptist, Episcopal, Lutheran, Methodist, Presbyterian, and Roman Catholic, have erected churches in the community. Arrangements are made for services for students of other denominations. Sunday schools and young people's church

societies are maintained by the local churches. Attendance upon the services of these organizations is voluntary.

Courses in Religion, which are credited as free electives, are offered. This work is not financed by the college. For information regarding these courses see the description of courses.

HISTORICAL STATEMENT

In 1889, the General Assembly of South Carolina accepted the bequest of Thomas G. Clemson, which set aside the bulk of the Clemson estate for the founding of a scientific and technical college. The institution was also established under the Morrill Land-Grant Act passed by the National Congress in 1862. Clemson College, therefore, is the Agricultural and Mechanical College of South Carolina and is a member of the national system of Land-Grant Colleges and Universities.

The nature of the institution is outlined in Mr. Clemson's will and its acceptance by the legislature.

The will in part reads:

"Feeling a great sympathy for the farmers of this State, and the difficulties with which they have to contend in their efforts to establish the business of agriculture upon a proper basis, and believing that there can be no permanent improvement in agriculture without a knowledge of those sciences which pertain particularly thereto, I have determined to devote the bulk of my property to the establishment of an Agricultural College upon the Fort Hill Place. My purpose is to establish an Agricultural College which will afford useful information to the farmers and mechanics; therefore it should afford thorough instruction in agriculture and the natural sciences connected therewith; it should combine, if practicable, physical with intellectual education; and should be a high seminary of learning in which the graduate of the common schools can commence, pursue and finish a course of studies terminating in thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture. * * * * but to always bear in mind that the benefits herein sought to be bestowed are intended to benefit agriculture and mechanical industries. * * * I trust I do not exaggerate the importance of such an institution for developing the material resources of the State, by affording its youth the advantages of scientific culture.

"The desire to establish such a school or college, as I have provided for in my said last will and testament, has existed with me for many years past, and many years ago I determined to devote the bulk of my property to the establishment of an Agricultural School or College. To accomplish this purpose is now the one great desire of my life."

This will gave all that part of the Fort Hill Estate inherited by Mrs. Clemson from her mother and the bulk of Mr. Clemson's other real and personal property. The latter amounted to a sum, which, considering the purchasing power at the time, probably has been only a few times exceeded in a public benefaction in South Carolina.

A Board of Trustees of seven members was provided for: R. W. Simpson, D. K. Norris, M. L. Donaldson, R. E. Bowen, B. R. Tillman, J. E. Wannamaker, and J. E. Bradley, who with those chosen by the General Assembly, should constitute a governing board in case the State accepted the bequest; but, who, in case the State declined the bequest, should alone constitute a governing board for a private institution.

These seven trustees, along with other friends of the movement, and the agricultural groups in the State developed and organized a public opinion favorable to the plan.

In November, 1889, the General Assembly of South Carolina accepted the terms of the will, and, following the decision of the United States Supreme Court to uphold the will, the State of South Carolina and the full Board of Trustees proceeded to convert the dream of Thomas G. Clemson into the reality of Clemson College.

The college was formally opened in July, 1893, with an enrollment of 446 students. The first graduating exercises were held in December, 1896, with a graduating class numbering thirty-seven—fifteen in the agricultural courses and twenty-two in the engineering courses.

LOCATION

The college is located on the Fort Hill homestead of John C. Calhoun, in the foothills of the Blue Ridge Mountains. It has an elevation of 800 feet above sea level and commands an excellent view of the mountains to the north and west, some of which attain an altitude of over five thousand feet.

The college is located at Clemson, S. C., on the main line of the Southern Railway, and four miles from Pendleton, on the Blue Ridge Railway. State Highways numbers 13 and 28 pass through Clemson, and daily bus service at regular intervals is available.

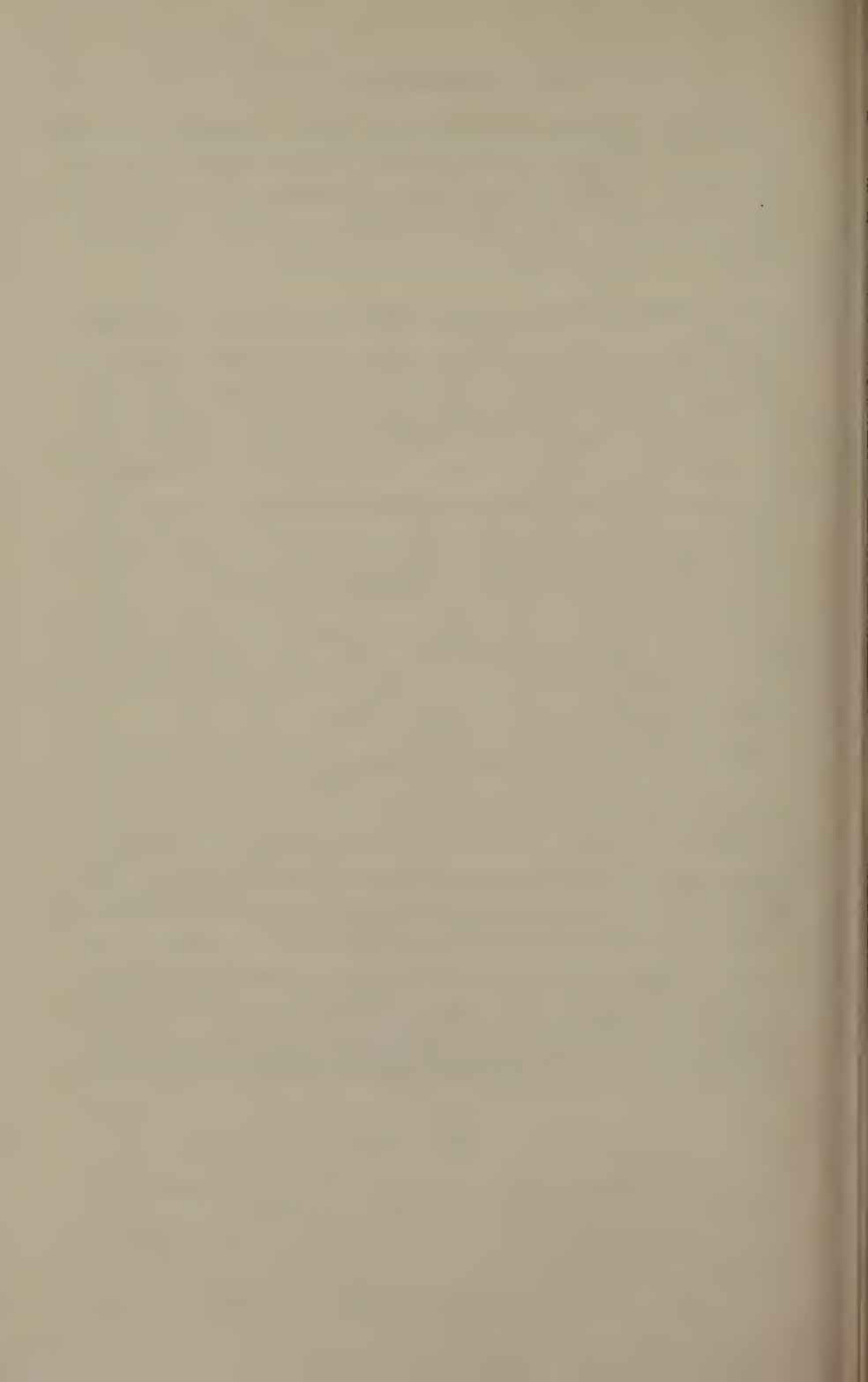
THE OFFICE OF PUBLIC RELATIONS AND ALUMNI AFFAIRS

The Office of Public Relations and Alumni Affairs was formed in 1951 by coordination of the functions of the Alumni Office and the News Bureau. All matters concerning the alumni and all information and news releases to the public are handled through this office. The Director of Public Relations and Alumni Affairs is also secretary of the Clemson Alumni Corporation through election by its Board of Directors. He is assisted in his work by two associates one in charge of athletic publicity and the other in charge of college information and alumni publications.

Accurate records of addresses and information concerning the alumni are being built up by this office. The Clemson Alumni News is published in digest form after each football game and in regular magazine form in quarterly issues.

The purpose of the Alumni Corporation is to serve the college and its alumni in every possible way. The Corporation holds its regular annual meeting at the college on the Saturday of Commencement. At this meeting the directors of the Corporation are elected who in turn choose the officers. Annual dues are three dollars for those men whose classes have been graduated for less than five years and five dollars for all others.

The Clemson College Foundation was founded by interested members of the Alumni Corporation to raise an endowment to be used for the benefit of the college, its students, faculty and alumni. Trustees of the Foundation are elected by the Corporation.



THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD

PART III

Student Life and Activities

PART III—Student Life and Activities

CADET MILITARY ORGANIZATION

Clemson College is operated as a military school. The purpose of the military in the college is to instill the soldierly qualities of loyalty, obedience, courteousness, punctuality, self-control, and courage.

The military system places every student on an equal standing. All cadets wear the uniform, live under the same conditions, and are subject to the same privileges and restrictions.

The military system assists the students in pursuit of a college education. Military training gives to Clemson graduates advantages that are important factors in their future progress and success.

CLUBS AND SOCIETIES

Honor Fraternities. Honor scholarship organizations, including Tau Beta Pi, Sigma Tau Epsilon, Phi Psi, Alpha Zeta, Alpha Tau Alpha, Iota Lambda Sigma, Alpha Chi Sigma, Sigma Pi Sigma, and the Minaret Club, give recognition to superior work done by Engineering, Arts and Sciences, Textile, Agricultural, Agricultural Education, Industrial Education, Chemistry, Physics, and Architecture students respectively.

The Phi Kappa Phi, honor society, and the Phi Eta Sigma fraternity both have chapters at Clemson. The former is an all-college honor organization composed of members of the senior class. The latter is a freshman organization with members selected from students who attain a high scholastic standing during the first semester of the freshman year.

The military activities of the cadet officers of the corps are recognized in membership in the Society of Scabbard and Blade, a national military honor fraternity. The Pershing Rifles, a national honorary military organization, also has a chapter at Clemson. Air Force cadet officers are recognized for military excellency by membership in the Arnold Air Society, a national Air Force honor fraternity.

The Blue Key, a national fraternity based upon leadership, has a chapter at Clemson, as does Alpha Phi Omega, a national fraternity for former Boy Scouts. The Tiger Brotherhood is a local organization at Clemson which stresses the qualities of leadership.

Student Clubs. Students majoring in various courses of instruction have organized clubs. Among such clubs are included the Agricultural Economics Society, the Dairy Club, the Horticultural Club, and Iota Epsilon (Industrial Education) and the Animal Husbandry Club.

The Calhoun Forensic Society and the Strawberry Leaf promote literary activities among the students; and the Gamma Alpha Mu recognizes superior journalistic service rendered by students.

The Y. M. C. A. and the Clemson Churches are recognized through organizations of the Baptist Student Union, Brandeis Club, Canterbury Club, Newman Club, Presbyterian Students Association, Wesley Foundation, Y. M. C. A. Cabinet, and the "Y" Council representing each of the four classes.

Engineering Societies. Outstanding students majoring in engineering courses are selected for membership in the Student Chapter of the American Institute of Electrical Engineers, American Society of Mechanical Engineers, American Society of Civil Engineers and the American Society of Agricultural Engineers.

Music Activities. The Clemson College Glee Club is under the musical leadership of the Director of Music. The organization performs the best in choral literature and makes appearances at various student functions on the campus. Students interested in the organization may become members by satisfactorily completing a simple audition. Previous experience and the ability to read music are not required.

In the spring of each year, the Glee Club makes a short tour of nearby institutions. Another highlight of the year is the participation by the Glee Club in a three hundred voice mixed choir of South Carolina College students in a performance with the Southern Symphony Orchestra. This concert is given annually in Township Auditorium, Columbia, South Carolina.

The Senior Platoon. The Senior Platoon is a Fancy Drill unit composed of cadet officers of the Senior class. This Platoon was

activated in 1931 for the purpose of increasing proficiency and developing pride among the cadet officers. Frequent exhibitions of fancy drill are given by this Platoon at football games and other celebrations and ceremonies.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Y. M. C. A. partakes of the nature of a small city Y. M. C. A. While it is recognized as a student association, the tremendous volume of community service undertaken in the building might easily qualify it as a community building. The Athletic Association has granted permission for the Y. M. C. A. to sponsor basketball and volleyball games in the Field House. Hundreds of basketball and volleyball games are participated in by students, faculty, campus children, and visitors from neighboring communities. Saturday morning games are sponsored for children of the community. A picture program is provided for boys and girls of the community as well as students and the swimming pool is available during the winter and summer months for campus children and visitors such as scout groups, 4-H groups, FFA and others. Social functions sponsored by the Y. M. C. A., or with the Y. M. C. A., cooperating, and Open House programs are almost daily occurrences in the club rooms, scout rooms, and cabinet rooms. It is here that many visiting groups are entertained with, and for, students and campus organizations. Evening Watch prayer groups, forum groups, freshman, sophomore, junior, and senior councils all cooperate with, and under, the leadership of the Y. M. C. A. senior cabinet to make possible a real spiritual and mental development in the lives of all the students. Sixty-two faculty members and others visited with students in their evening watch or forum meetings in barracks last year and many student leaders took part in these meetings.

The Y. M. C. A. has supervision of voluntary religious activities of the students and endeavors to contribute to the religious, social, and physical life of the college community.

There are two Vesper services in the Y. M. C. A. auditorium each Sunday. Usually 400 or more attend the afternoon Vesper and often 550 or 600 attend the evening Vesper. Outstanding speakers and many visiting deputation groups are supplemented by local speakers, ministers, and campus leaders. Many educational, news, and travel reels are shown for the students over the

weekend. In recent years a number of outstanding speakers have returned to the campus. Included in this group have been many graduates of Clemson who have achieved distinction in the field of education, religion, industry, science, and agriculture.

The college swimming pool at Clemson is located in the Y. M. C. A. Swimming classes, life saving, and instructor's courses are given. Members of the freshman and varsity swimming teams train here and many company swimming meets are scheduled. The pool is heated throughout the winter months and it is filtered and chlorinated with electric equipment.

Intramural athletics are encouraged and sponsored by the Physical Education Department and the Y. M. C. A. All of the companies with military organization and athletic officers have teams in such sports as basketball, volleyball, swimming, baseball, and soccer. These competitive games receive hearty support from many students and afford an opportunity for active participation. Practically all of the students at Clemson participate in some form of recreation or an intramural sport. Quite a number take part in many intramural sports. Participation is voluntary, but the majority of the students take advantage of this opportunity for wholesome recreation and physical direction. A director and trained student leaders are provided by the Y. M. C. A. and these cooperate with A & R officers and with interested veterans.

ATHLETICS

It is the policy of the college to sanction and encourage athletics so long as participation does not interfere with studies and other duties. Football, baseball, basketball, and track are the most popular sports.

The college is a member of the Southern Conference and of the South Carolina Inter-collegiate Athletic Association. In order to participate in inter-collegiate athletics, the student must meet the requirements of the Southern Conference as well as the requirements of the college.

No member of an athletic team is eligible for a managerial position in any other branch of sport.

No team is allowed to leave the college grounds to participate in any match game unless accompanied by the authorized coach

or other member of the faculty, who shall be responsible to the college for the conduct of the players while away.

No student is eligible to participate in an inter-collegiate contest who is away from the college without proper authority or without having complied with all the rules or orders issued by the President regarding such matters.

HONORS AND AWARDS

Agricultural Certificates of Merit. Beginning with the session of 1914-1915 certificates of merit have at times been awarded to farmers in South Carolina who have rendered distinguished service in the agricultural development of the State.

Air Force Association Medal. The Air Force Association of Washington, D. C., awards this medal annually to the first year advanced Air Force cadet who has shown outstanding aptitude for both academic and military pursuits.

In 1951 this medal was awarded to Lawrence Marion Ragsdale of Anderson, South Carolina.

The Alpha Chi Sigma Award. Awarded to the sophomore majoring in Chemistry, Textile Chemistry, or Chemical Engineering who maintained the highest scholastic record during his first three semesters of work.

In 1951 this award was presented to Thomas Glenn Cooper of Columbia, South Carolina.

The Alpha Tau Alpha Scholarship Medal. Awarded to the senior in Agricultural Education having the highest scholastic record.

In 1951 this award was presented to John Ellis Terry of Iva, South Carolina,

Alpha Zeta Award. An annual award given to the sophomore in agriculture having the highest grade point ratio for the first three semesters.

In 1951 this award was given to Robert William Duke, Jr., of Kingstree, South Carolina.

The American Association of Textile Chemists and Colorists Award. This award for the best work done in Textile Chemistry

and Dyeing by a member of the graduating class was given in 1951 to Walter Lee Thompson of Belton, South Carolina.

The American Chemical Society Award. In 1951 this award was presented to Robert Welsh Duvall of Fort Jackson, South Carolina.

The American Institute of Chemical Engineers Award. Each year, the American Institute of Chemical Engineers sponsors an award consisting of an engraved certificate, a gold emblem of student membership in the national organization, remission of undergraduate dues, and subscription to the "Chemical Engineering Progress" to the junior student, majoring in Chemical Engineering, who has attained the highest scholastic standing (*i. e.*, grade point ratio) through the sophomore year.

In 1951 the award was earned by Edwin Woodside Folk of Simpsonville, South Carolina.

The American Institute of Electrical Engineering Junior Scholastic Award. Awarded to the second semester junior or the first semester senior in Electrical Engineering having the highest scholastic record.

In 1951 this award was presented to John Wirt Cook of Seneca, South Carolina.

The American Society of Civil Engineers Membership Award. Awarded each year by the South Carolina Section of the American Society of Civil Engineers to the outstanding graduating senior in Civil Engineering.

In 1951 this award was presented to John Elmer Hamilton of Graniteville, South Carolina.

The Alexander P. Anderson and the Lydia Anderson Fellowship. Mr. and Mrs. Anderson have given to the Clemson Agricultural College the sum of \$12,500.00 for the purpose of establishing a fellowship fund. The income from this trust fund is to be used for the purpose of awarding a scholarship or fellowship to one or more Clemson graduates for advanced work in biological sciences including bacteriology and entomology. The scholarship is to be awarded annually by the faculty of the Clemson Agricultural College to an outstanding student. The name of the beneficiary is

reported to the Board of Trustees, and an accounting of the funds by the Treasurer of the College is made annually.

This fellowship, providing the sum of \$400.00 annually for pursuing graduate study in agriculture, was awarded in 1951 to Earle Wilburn Moore of Westminster, South Carolina.

Architects' Certificates of Merit. The South Carolina Chapter of the American Institute of Architects each year awards a certificate of merit to the outstanding Senior architect and Senior architectural engineer.

In 1951 the certificates of merit were awarded to Edward Blackwell Watt, architect, of Hartsville and Hal Linton Pridgeon, Jr., architectural engineer, of Spartanburg.

Armed Forces Communications Association Medal. The Armed Forces Communications Association of Washington, D. C., sponsors annually an award to the outstanding student taking military training with communications or electronics as the major course.

In 1951 the following awards were made: Jack Carter Ferguson of West Asheville, North Carolina, as outstanding cadet in Signal Corps, Second Year Advanced ROTC, Tom William Morgan, Jr., Clemson, South Carolina, outstanding cadet in Signal Corps, First Year Advanced ROTC, and Herbert William Fletcher of McColl, South Carolina, outstanding cadet in Signal Corps, Second Year Basic ROTC.

The Borden Agricultural Scholarship. The Borden Company Foundation awards annually the sum of \$300.00 to the eligible Senior achieving the highest average grade on all college work preceding the Senior year. To be eligible for this award, the student must have included in his curricula two or more Dairy subjects.

In 1951 this award was given to William Franklin Stewart, Jr., of Fountain Inn, South Carolina.

Arnold R. Boyd English Honor Key. Arnold R. Boyd, '14, now a lawyer in New York, donates this Honor Key annually to the student in the graduating class who makes the best record in English during his college course.

In 1951 this award was given to Dewey Clifton Brock, Jr., of Clemson, South Carolina.

Class of 1902 Awards. In recognition of the distinguished teaching services of three professors who were on the College faculty at the time the Class of 1902 was at Clemson, and in memory of those of the class who have passed on, the members of the Class of 1902 have deposited with the Clemson College Foundation the three following funds of \$2,000.00 each, the income from these funds to be awarded annually.

The Williston Wightman Klugh award to a worthy, earnest undergraduate student of good moral code and personality who intends to make teaching his life work, selection to be made by the College.

In 1951 this award was given to Harry Wallace Reid of Piedmont, South Carolina.

The Rudolph Edward Lee award, to a worthy undergraduate student in Architecture, selected upon the recommendation of the faculty of the Department of Architecture after consideration of the student's grades, extra-curricular activities, and those qualities that go toward making a successful professional architect.

In 1951 this award was given to Richard Alan McGinty of Clemson, South Carolina.

The Samuel Maner Martin award, to a worthy undergraduate student taking mathematics as a major subject, selection to be made by the College.

Danforth Fellowships. The Danforth Foundation of St. Louis awards fellowships each year to two agricultural students. One of these is given to an outstanding member of the Junior Class majoring in either Dairying, Animal Husbandry or Poultry Husbandry. The award amounts to \$180.00 and provides expenses incident to the attendance of the recipient at a two-weeks summer short course for training in salesmanship at the laboratories of the Ralston Purina Company in St. Louis and also for a two-weeks stay at the American Youth Foundation Leadership Training Camp at Shelby, Michigan.

The fellowship for 1951 was awarded to William Franklin Stewart, Jr., of Fountain Inn, South Carolina, junior in Animal Husbandry,

The second Danforth fellowship amounting to \$50.00 is awarded to an outstanding freshman expecting to major in the animal science

field. It provides for a two-weeks stay at the Leadership Camp at Shelby, Michigan—the same camp to which the recipient of the Junior award goes. This award for 1951 was received by John S. Wilson Parham, of Sumter, South Carolina.

The Samuel B. Earle Award. In 1951 this award was presented to Edward Blackwell Watt of Hartsville, South Carolina.

The V. B. Higgins Fund. The sum of \$27,500.00 has been deposited with the Clemson College Foundation by Mr. V. B. Higgins, Class of 1910, to establish a fund to be used:

1. To provide one or more complete Scholarships for a student of Engineering after his first year at Clemson College.
2. For the promotion of research in Engineering.
3. For the promotion of Engineering Education.

In 1951 this award was presented to James Willard Bryson of Lyman, South Carolina.

The Ladies Auxiliary of the South Carolina Dairying Association Award (\$50.00). In 1951 this award was presented to Maurice David Rice of Augusta, Georgia.

James Lynah Merit Awards. Income from a fund established by Mr. James Lynah in memory of distinguished professors who were teaching at Clemson when the members of the Class of 1902 were undergraduates shall be used to grant prizes. A sum of money not to exceed the income shall be allotted equally to five young men out of each graduating class who in the opinion of the faculty meet the specific requirements.

The 1951 recipients of \$100.00 each were: The Mark Bernard Hardin prize in Chemistry to Robert Welsh Duvall of Fort Jackson, South Carolina. The Charles Manning Furman prize in English to John Mayer Fairey of Orangeburg, South Carolina.

The William Shannon Morrison prize in History to Joe Smith Fulmer of Saluda, South Carolina. The Walter Merritt Riggs prize in Electrical Engineering to Jack Carter Ferguson of Asheville, North Carolina. The Augustus G. Shanklin prize in Military Science and Tactics to John Holtzclaw James, Jr., of Statesville, North Carolina.

The Clark Lindsay McCaslan Award. The sum of \$1,000.00 has been deposited with the college to establish a fund in memory of Clark Lindsay McCaslan, a graduate of Clemson College in the class of 1908, and a pioneer in Agricultural Engineering. The income from the fund shall be given annually to the student in the Department of Agricultural Engineering who, in the opinion of the faculty, shall be deemed to be the most deserving.

In 1951 this award was given to Robert Melvin Prince, Jr., of Lynchburg, South Carolina.

The Minaret Award. Awarded to the outstanding sophomore in Architecture.

In 1951 this award was presented to James Roberts Lawrence of Greenville, South Carolina.

National Association of Cotton Manufacturers Medal. For several years, this medal has been awarded to the outstanding graduate in Textile Engineering, both in February and in June.

In 1951 these awards were given to James Foster Cathcart of Bishopville, South Carolina, and Walton Bryan Cassidy of Hartsville, South Carolina.

Norris Medal. The following is from the will of the Hon. D. K. Norris, a life trustee of Clemson, who died in 1905:

"I give \$500.00 face value, Norris Cotton Mill stock . . . on condition the dividend thereon shall be applied annually to the purchase of a gold medal, to be known as the 'Norris Medal', to be awarded to the student of Clemson meriting the same at graduation, under such rules and conditions as may be prescribed by the said Board of Trustees, and which medal shall have engraved on it 'Honor habet onus' (Honor brings responsibility)."

In 1951 this medal was awarded to Robert Melvin Prince, Jr., of Lynchburg, South Carolina.

Ordnance Association Annual Award. The Ordnance Association, Washington, D. C., sponsors annually an award to the outstanding Second Year Advanced Ordnance Cadet. This cadet will be selected by the Professor of Military Science and the Ordnance ROTC Instructor.

In 1951 the outstanding cadet in Ordnance Second Year Advanced ROTC was Roy Eugene Duncan of Callison, South Carolina.

The Phi Eta Sigma Scholarship Medal. Awarded to the senior having the highest scholastic record.

In 1951 this award was made to Walton Bryan Cassidy of Hartsville, South Carolina.

The Phi Kappa Phi Award. (\$25.00) Awarded to the junior having the highest scholastic record.

In 1951 this award was presented to George Arthur Mobley of Simpsonville, South Carolina.

Phi Psi Award. This award is made by the National Honor Council of the Phi Psi Textile Fraternity to the textile graduate who has attained the highest scholastic record in textile courses.

In 1951 this award was given to James Foster Cathcart of Bishopville, South Carolina.

Quartermaster Association Annual Awards. The Quartermaster Association, Washington, D. C., sponsors annual awards to the outstanding First Year Advanced Quartermaster Cadet and to the outstanding Second Year Advanced Quartermaster Cadet. The outstanding First Year Advanced Quartermaster Cadet receives a medal of appropriate design upon which is superimposed the insignia of the Quartermaster Association. The outstanding Second Year Advanced Quartermaster Cadet will be presented a scholastic key of similar design.

Candidates for the awards will be selected by the Professor of Military Science and Tactics and the Quartermaster ROTC Instructor.

In 1951 the outstanding cadet in Quartermaster First Year Advanced ROTC was John Edward Lunn, of Rock Hill, South Carolina.

In 1951 the outstanding cadet in Quartermaster Second Year Advanced ROTC was Robert Martin Wolfe of Rock Hill, South Carolina.

Sears-Roebuck Award. An award of \$200.00 is given to the Sophomore who makes the highest scholastic average as a Freshman Sears-Roebuck Scholar.

In 1951 this award was given to Bernard McIntyre Sanders, Jr. of Cordova, South Carolina.

The Sigma Pi Sigma Prize. Awarded to the outstanding senior in the Physics Department.

In 1951 this award was presented to Arthur Henry Schaufelberger of East Islip, New York.

The Sigma Tau Epsilon Membership Award. Awarded to the sophomore majoring in the School of Arts and Sciences and having the highest scholastic record.

In 1951 this award was presented to Thomas Glenn Cooper of Columbia, South Carolina.

United States Veteran Signal Corps Medal. Awarded to the most outstanding member of Signal Corps Advanced ROTC.

In 1951 this medal was awarded to Lewie L. Bates of Greenville, South Carolina.

R. W. Simpson Medal. A medal designated as the "R. W. Simpson Medal" is awarded annually to the best drilled cadet in the freshman, sophomore or junior class.

In 1951 the medal was awarded to William Davis Asnip of Greenville, South Carolina.

The Society of American Military Engineers Medal. The Society of American Military Engineers of Washington, D. C., sponsors annually an award to the outstanding cadet in the Corps of Engineers Advanced ROTC.

In 1951 the following awards were made: Hughey Allen Woodle, Jr., of Clemson, South Carolina, the outstanding cadet in the Corps of Engineers Second Year Advanced ROTC and Robert Lee Beach of Walterboro, South Carolina, the outstanding cadet in the Corps of Engineers First Year Advanced ROTC.

The Algernon Sydney Sullivan Medallion. A valuable and artistic memorial, established by the Southern Society of New York in honor of its first president, is awarded each year by Clemson Agricultural College to a member of the graduating class and to one other person who has some interest in, association with, or relation to the Institution, official or otherwise, of a nature as to make this form of recognition appropriate. The recipients of this award shall be chosen in recognition of their influence for good, their excellence in maintaining high ideals of living, their

spiritual qualities and their generous and disinterested service to others.

In 1951 these medallions were awarded to James Edward Cushman of Chester, South Carolina a member of the graduating class and to Charles Ezra Daniel of Greenville, South Carolina.

The Tau Beta Pi Scholastic Award. Awarded to the sophomore in engineering having the highest scholastic record.

In 1951 this award was presented to William O'Byrne of Liberty, South Carolina.

Trustees' Medal. The Board of Trustees has provided for a gold medal to be awarded annually at Commencement to the best speaker in the student body.

The medal was awarded in 1951 to James Edward Cushman of Chester, South Carolina.

THE
CLEMSON
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RECORD

PART IV

Organization and Government

PART IV—Organization and Government

ADMINISTRATIVE ORGANIZATION

Board of Trustees. The government of the College is vested in a Board of thirteen members, six of whom are elected by the Legislature, and seven life and self-perpetuating under the Clemson will. The function of this Board is legislative and not executive. The Board determines the general policy of the College, makes the laws for its government, and directs the expenditure of its funds.

The President is the chief executive and administrative officer appointed by the Board of Trustees. He is the head of the College and is responsible for its satisfactory working and success.

The College is divided into schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles. A dean is at the head of each school and is responsible to the President for its conduct and success. The schools are comprised of departments. Each department is in charge of a professor who acts as its head. The President conducts all official business with each department through its dean.

The Faculty consists of all officers of instruction in the College. The voting members are the deans, professors, associate professors, and assistant professors.

The faculty meets once a month, or whenever called by the President, and is an advisory body to the President, on the instructional work of the College and such other business as he may bring before it.

The deans and directors of the various schools and departments meet weekly or when called by the President for consideration of matters affecting the welfare of the College. Departmental faculty meetings are held periodically.

Faculty Committees. In order to aid him in his executive duties and to carry on the instructional work of the College, the President appoints committees from the faculty. To these are assigned certain specified lines of work and the committees are clothed with full authority.

MILITARY ORGANIZATION

The President. The President of the College shall have general command and government of the institution, watching over its administration, discipline, and instruction. He shall have authority to make rules from time to time, governing the granting of permits and furloughs to cadets; to inspect anything in a cadet's room or personal baggage; to suspend or modify these regulations, or to publish special regulations when he considers it necessary, which shall have the authority of the Board of Trustees until they shall act on the same. He shall prescribe the hours of study, drill, and recreation.

Commandant. The Commandant of Cadets, under the President, has supervision of the military administration and discipline of the Clemson Cadet Corps. He shall prescribe the order in which the furniture, bedding, books, clothing, and other equipment shall be arranged throughout the barracks and shall make an inspection of the rooms, furniture, arms, equipment and uniforms of the cadets at least once each week. He shall have the right to inspect anything in a student's room or personal baggage. He shall perform such other duties as are prescribed in the cadet regulations and other official orders of the institutional authorities. The Commandant shall be the officer assigned to the college by the Department of the Army as Professor of Military Science and Tactics (PMS&T).

Assistant Commandants. All Army and Air Force officers assigned to the college by their respective departments will be Assistant Commandants. They will perform such duties as may be prescribed for them by the President or Commandant.

Military Instruction. All students, excepting such students as are excused by the President, must take a minimum of three hours military instruction (drill and inspection) per week until they become seniors. All who pass the required physical examination must take the Basic ROTC course during their first two years of residence. Currently, students who are veterans of World War II are excused from Basic ROTC and activities of the Cadet Corps unless they enter the Advanced ROTC.

Cadet Officers and Non-commissioned Officers. The cadet officers and cadet non-commissioned officers are appointed by the

Commandant, subject to the approval of the President. When practicable they shall be appointed from members of the ROTC who have been most studious and soldier-like in the performance of their duties and most exemplary in their conduct. No cadet may decline any office to which he may be appointed.

As a rule the cadet officers shall be appointed from the senior class; the cadet non-commissioned officers, except corporals, from the junior class; and the corporals from the sophomore class.

Study Hours. Study hours are those parts of the day which are designated for study and shall be prescribed in orders. All hours at which a student has no classes or other duties may be used as study hours and students are expected to use vacant hours during the day as well as the assigned period after supper for study.

Furloughs. Every cadet is responsible for his class absences whether he is on a furlough or at the College. Restrictions regarding class absences are explained in the class attendance regulations. Any cadet who has been granted a furlough and who stays over the time stipulated, unless for sickness or other reason acceptable to the Commandant, will be administered a punishment not to exceed one month's arrest and twenty demerits. In case a cadet is prevented by sickness from returning at the stipulated time, he must submit a certificate from his attending physician. However, no such certificate will be accepted unless the President or the Commandant has been notified in advance of the expiration of the furlough.

Cadets returning late on furlough are placed in room arrest pending an investigation of the reason of the late return.

All communications from parents requesting furloughs for their sons must be addressed or sent directly to "The Commandant," and must set forth fully the reason for the request. No furlough will be granted unless the reasons given are considered satisfactory and sufficient justification for any loss of time from college duties. Every student is held responsible for his class absences in accordance with the provisions of the class attendance regulations. Telegrams which do not explain fully will not be accepted as complying with the rules. In any case in which business is given as a reason, the nature of the business must be explained fully.

A parent has the right to demand a discharge from College at any time and for any reason, but the College authorities reserve the right to grant or refuse furloughs.

Week-End Leaves. Week-end leaves will be granted under conditions prescribed by the President.

Demerits. Any regular cadet who may receive within any one semester more than 90 demerits during his freshman year, or more than 70 demerits during his sophomore year, or more than 60 demerits during his junior year, or more than 50 demerits during his senior year; or any day cadet who may receive within any one semester more than 80 demerits during his freshman year, or more than 60 demerits during his sophomore year, or more than 50 demerits during his junior year, or more than 40 demerits during his senior year shall be required, by the President, to withdraw immediately from College.

Discharge. No cadet unless twenty-one years of age and paying his own way at college shall be honorably discharged except on the written application of his parents or guardian addressed to the President, or for reasons satisfactory to the President.

SCHOLASTIC REGULATIONS

Credits. The semester hour shall be the basis of all credits. One recitation hour or three laboratory or shop hours a week constitute a semester hour. The standing of a student in his work at the end of a semester shall be based on daily class work, tests or other work, and the final examinations. Written examinations shall be required in all subjects at the end of each semester, except in certain laboratory or practical courses where not deemed necessary by the department faculty. A semester grade once reported to the Registrar shall be the final grade for the period covered.

Grading System. The grading system is as follows:

A—*Excellent.* Indicates that the student is doing work of a very high character. The highest grade given.

B—*Good.* Indicates work that is satisfactory, though not of the highest order.

C—*Fair.* Indicates work of average or medium character.

D—*Pass.* Indicates work below average and unsatisfactory. The lowest passing grade. For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required.

E—Conditioned. Indicates a failure to satisfy the requirements as to daily recitations, tests or other work, as well as to the final examination, which condition in the opinion of the instructor may be made up by re-examination at some fixed time.

F—Failed. Indicates that a student knows so little of the subject that it must be repeated in order that credit may be received.

I—Incomplete Work. Indicates that a relatively small part of the semester's work remains undone. A Grade I is not to be given a student who has made a grade F on his daily work.

I-Abs. Ex. Indicates absence from examination on account of sickness or other satisfactory reason.

WP—Withdrew Passing. This grade indicates that the student withdrew from the course while doing satisfactory work. The credit hours of a subject on which the grade of WP is received are counted as credits taken in computing the student's grade point ratio.

WF—Withdrew Failing. Indicates that the student withdrew from the course while doing unsatisfactory work. The credit hours of a subject on which the grade of WF is received are counted as credits taken in computing the student's grade point ratio.

Reports and Grades. Semester reports are mailed to parents after the end of each semester (usually within two or three weeks). Mid-semester reports do not form a part of the permanent record in the Registrar's Office, but are sent to parents for their information.

Grade Points. Nine grade points are assigned for each credit hour on which the student receives the grade of A; six grade points for each credit hour of grade B; and three for each credit hour of grade C. No grade points are assigned for grades D, E, or F. In calculating a student's grade point ratio, the total number of grade points accumulated by the student is divided by the total number of credit hours taken by the student during the semester, session, or other period for which the ratio is calculated.

Dropping Class Work. A subject dropped after the first four weeks of class work is recorded as "Withdrew Passing" or "Withdrew Failing" depending upon the student's grade in the course at the time the subject was dropped.

Upon the recommendation of the instructor and the dean concerned, a student's standing will be investigated and he may be required to drop a subject because of neglect, or lack of application

or preparation. No student will be dropped under this rule without approval by the President.

Removal of Grade I. All incomplete grades (I's) for a semester not removed within thirty days after the beginning of the next semester shall become F's unless an extension of time is approved by the instructor concerned and the Registrar.

A student who, for reasons satisfactory to the faculty, is absent from any examinations will be graded I-Abs. Exam. and will be allowed to make up these examinations at such time as is designated for this purpose.

Academic Standards. Proper discharge of all duties is required at Clemson College, and a student's first duty is his scholastic work. All students should be thoroughly acquainted with and cognizant of these basic requirements.

Minimum Requirements to Continue Enrollment. To be eligible to enroll the next session, a student in his first year of attendance in college must pass a minimum of twenty-four semester credit hours of work. Work passed in the summer term may be included in this minimum total.

A student in his second or any later year of attendance in college, to be eligible to continue his enrollment, must pass either, (1) a minimum of twenty-four semester credit hours of work in the two semesters of the regular session, or (2) a minimum of thirty semester credit hours of work in the two semesters of the regular session and the summer term.

In the cases of upperclassmen failing to pass thirty semester credit hours of work in two regular sessions and the summer term, exception may be made for those students whose cumulative grade point ratio, computed up to date to the nearest whole number, added to the number of hours passed will total thirty. For example, if a student passes twenty-seven hours, and his grade point ratio is three, the two added together will total thirty, and he will be eligible to enroll for the next session. The above requirements will be prorated for students entering in February.

The attention of students is directed to the fact that the freshman requirements apply to first year college students, and the more rigid requirements apply to college students in their second or later years, regardless of whether or not the student's attendance has been at Clemson or at some other institution. The student's classifi-

cation does not enter into these regulations. The required minimum totals shall be exclusive of courses graded E and exclusive of courses graded I unless there are extenuating circumstances for the I.

The summer term referred to above is interpreted to mean the Clemson College Summer Term unless the student has special approval by the Committee on Admissions and the Committee on Transfer Credits to pursue a summer program at some other institution in an effort to redeem his academic standing at Clemson.

Class Attendance Regulations. The class attendance regulations are as follows:

1. A student's first duty in college is his class work. Except for special reasons, a student is expected to be in every class on schedule. However, the college recognizes several justifiable reasons for class absences and authorizes absences in such instances. In addition, restricted provision is made for personal emergencies. *Rigid penalties are provided for the abuse of these regulations.*

2. Absence from class for any of the following reasons will be recorded as authorized, provided the absence *is approved in advance* by the Class Attendance Officer. The Class Attendance Officer will approve class absences only when the required action as shown opposite the reason below has been taken. *Except in cases of extreme personal emergency, students who absent themselves from class prior to authorized permission, will have their absences recorded as unauthorized, even though otherwise authorized.*

<i>Reason</i>	<i>Required Action for Approval of Absence</i>
a. Sickness	Absence certified by the College Surgeon on the hospital report or by another doctor and endorsed by the College Surgeon.
b. Guard Duty	Absence certified by the Commandant.
c. Official representation in inter-collegiate athletic events	Absence certified by the Head Coach.
d. Educational Trips	Absence certified by the Dean of the school concerned.
e. Participation in other activities considered to be official and authorized by the Deans and Directors	Absence certified by the faculty sponsor of the activity.

<i>Reason</i>	<i>Required Action for Approval of Absence</i>
f. Personal emergencies of a serious nature such as death or serious illness in the family	Approved by the Commandant for Cadets or by the Class Attendance Officer for Non-Cadet students.

3. The Commandant or a member of his staff designated by him shall act as Class Attendance Officer. All absences, authorized and unauthorized, will be recorded by the Class Attendance Officer. Absence from class for any reason, except those approved in advance by the Class Attendance Officer or those excused because of conditions of extreme personal emergency, will be recorded as unauthorized. It will be the responsibility of the student to report to the Class Attendance Officer immediately for explanation of those cases when the student absents himself from class under conditions of extreme personal emergency not authorized in advance. Otherwise, such absences will be presumed to be unauthorized and will be so recorded.

4. Absentee reports will be submitted daily, on the form provided, to the Class Attendance Officer by each instructor through his Dean. All absences, authorized and unauthorized, will be reported. It will be the instructor's responsibility to determine whether or not a student is absent or late.

5. Students shall not request instructors to excuse them from class or to change class periods or examinations. Instructors have no authority to grant such requests.

6. All class work missed on account of authorized absences shall be made up to the satisfaction of the instructor concerned. Instructors will not be obligated to permit a student to make up any work missed during unauthorized absences. If the unauthorized absence is from a previously announced quiz or examination, the student will not be permitted to make up that work and will be given a grade of zero for that assignment.

7. To provide for personal emergencies, *Freshmen and students enrolled in 100 series courses* will not be penalized for two unexcused absences per semester in each subject of three credit hours or more, and one in the case of subjects of less than three credit hours. *For any additional unauthorized absences, such students will be dropped from the subject concerned by the Class Attendance Officer.* Absences from non-credit courses will be treated as absences from credit courses of a like number of hours. Any freshman who

is absent from more than the equivalent of four weeks' work, whether the absences are excused or unexcused, will be dropped from the subject unless his continuance is authorized by his Dean within one week after notification.

8. In the event that a student classified as *Sophomore or higher is absent*, including both authorized and unauthorized absences, *from the equivalent of three weeks' work in a course during a regular semester or one and a half in a Summer Session, the Dean of the School in which the student is majoring shall be notified by the Class Attendance Officer that such student is being dropped from the course concerned.* If it is felt by the Dean that such action is undesirable, he shall notify the Class Attendance Officer to that effect within one week; otherwise the drop will remain in effect.

9. *Any student who, by being dropped from one or more subjects on account of excessive absences, reduces his credit hour load below twelve semester credits, shall be suspended from college for at least the remainder of that semester.* A student whose class attendance record is generally unsatisfactory may be required to withdraw from college at any time.

10. All students will keep their own records of class absences. *No routine notices of accumulated absences or warning letters will be sent out or posted by the Class Attendance Officer.* The College reserves the right to notify students' parents of unsatisfactory class attendance.

11. *All students must turn in a completed class schedule on the prescribed form to the Commandant's Office at registration.* All changes to this schedule must be reported promptly to the Class Attendance Officer.

12. Students who are absent from the campus because of sickness will report to the Class Attendance Officer at once upon their return to school in order that their attendance record may be verified and brought up to date.

Promotion and Classification. Effective in September, 1947, and so long as the institution reclassifies students every semester, the following new classification rules will apply:

A. To be classified as a senior, a student must have completed sufficient scholastic work toward his degree to enable him to complete the requirements for graduation by completing not more than

42 additional credits. To be classified as a senior, a student must also have earned twice as many grade points as the minimum number of credit hours required in his case for senior classification.

B. To be classified as a junior, a student must have completed at least 64 semester credit hours and must have earned at least 128 grade points.

C. To be classified as a sophomore, a student must have completed at least 30 semester credit hours.

D. All new students are classified as freshmen unless they have attended another college prior to entrance and have completed sufficient scholastic work as to enable them to complete the requirements for graduation from Clemson in not more than three regular sessions.

E. *Requirements for Graduation.* For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. All work must be completed before 5 p. m. on the Thursday preceding Commencement. Residence of at least one regular session shall be required for graduation.

F. *Seniors Failing to Graduate.* A senior who fails to graduate because of one F on a subject or one or more grades of E or I shall have an opportunity of removing the unsatisfactory grades by examination after commencement provided that he can furnish evidence of having done satisfactory study. A senior who qualifies for graduation under this regulation will be awarded his degree on the next regular date for the award of degrees.

Removal of Conditions. Only one opportunity shall be given a student to remove a condition (E) by a re-examination. A student who fails to pass such a re-examination shall be required to repeat the subject, hour for hour in class. Not more than twelve credit hours of conditions for a session shall be removed by re-examination. A student shall not receive a grade higher than D when a deficiency is removed by re-examination.

Removal of Failures. A student who has failed (made a grade F) in a subject cannot receive credit for that subject until it has been satisfactorily repeated hour for hour in class, except that in the case of correlated laboratory work, the number of hours to be

taken shall be determined by the instructor. Where separate grades for class and laboratory work are given, that part of the subject shall be repeated in which the failure occurs.

Special Examinations. Any request for a special examination must be approved by (1) the instructor concerned, (2) the head of the department concerned, (3) the dean of the school, and (4) the registrar.

Maximum Credit Load. The normal schedule for a student includes only as many credit hours as are required for the class and course in which he is registered. Students should schedule this amount of work unless their credits are restricted as a result of a poor scholastic record. Students are advised not to exceed the normal schedule except upon approval by the class adviser.

The number of credits which a student may schedule during either semester of the session is governed by his grade point ratio—the most recently calculated cumulative or semester ratio, whichever is higher. Until such time as a grade point ratio is available, a freshman is restricted to the requirements of his course or to 20 semester hours, whichever is higher.

<i>Grade Point Ratio Required</i>	<i>Maximum Credit Hours Which May Be Scheduled</i>
0.00 to 0.99.....	18
1.00 to 1.99.....	19
2.00 to 2.99.....	20
3.00 to 3.99.....	21
4.00 to 4.99.....	22
5.00 to 5.99.....	23
6.00 to 6.99.....	24
7.00 to 7.99.....	25
8.00 or above.....	26

If any student schedules excessive credits, he will be automatically dropped from a sufficient number of subjects to reduce his total credits within the limits. If for any reason a student's excessive registration continues throughout the semester, his credit on one or more subjects passed will be cancelled at the end of the semester.

THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD

PART V

Degrees and Curricula

PART V—Degrees and Curricula

BACHELORS' DEGREES

The degree of Bachelor of Science is awarded to those students who satisfactorily complete one of the four-year curricula offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Textiles, and to those students who complete the four-year course in Architecture or Architectural Engineering under the School of Engineering. The five-year course in Architecture leads to the Bachelor of Architecture degree. The degrees of Bachelor of Ceramic Engineering, Bachelor of Chemical Engineering, Bachelor of Civil Engineering, Bachelor of Electrical Engineering, and Bachelor of Mechanical Engineering are awarded to the graduates of these respective four-year courses.

The total semester credit hours required for graduation amount to 150 in each of the regular four-year curricula. These credits include the prescribed subjects in each curriculum and an appropriate number of approved electives or technical electives as outlined in the regular four-year curricula.

For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. Nine grade points are assigned for each credit hour on which the student receives the grade of *A*; six grade points for each credit hour of grade *B*; and three for each credit hour of grade *C*. No grade points are assigned for grades *D*, *E*, or *F*. Candidates for the degrees listed above are required to apply for their degrees at least two months prior to the date the degrees are to be awarded. These applications should be filled out in the Registrar's Office on the regular blanks provided.

All work for a degree must be completed by 5 p. m., on the Thursday preceding graduating exercises. Residence of at least one regular session is required for graduation. Every candidate for a degree must pay to the Treasurer of the College the cost of his diploma before the time the diploma order is placed.

If all work toward a degree is not completed within five years after entrance, the student may be required to take additional courses.

GRADUATE DEGREES

The degree of Master of Science is awarded to those students who satisfactorily complete a prescribed graduate program of work consisting of a minimum of 30 semester credit hours in the student's field of concentration. Of the 30 semester credit hours required 6 must be for research and at least 12 must come from the courses which are designed exclusively for graduate students.

For further information concerning advanced degrees see *The Graduate Bulletin*, which may be obtained from the Office of the Registrar.

PROFESSIONAL DEGREES

The College offers the following professional engineering degrees: Civil Engineer, Electrical Engineer and Mechanical Engineer.

The requirements for these degrees are: (a) a Bachelor's degree from Clemson College in one of these three branches in engineering, (b) five years of subsequent professional experience, one year of which must have been in responsible charge of engineering or engineering instruction, (c) the preparation of a thesis demonstrating distinct technical ability. (Detailed information regarding professional degrees may be obtained from the Registrar.)

CURRICULA

Twenty-nine undergraduate curricula are offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles. The curricula under each school are listed below:

SCHOOL OF AGRICULTURE

Agricultural Economics
Agricultural Engineering
Agronomy
Animal Husbandry
Botany
Dairy
Entomology
Horticulture
Poultry
Pre-Forestry
Pre-Veterinary

SCHOOL OF ARTS AND SCIENCES

Arts and Sciences
Industrial Physics
Pre-Medicine

SCHOOL OF CHEMISTRY

Agricultural Chemistry
Chemistry

SCHOOL OF EDUCATION

Education
Industrial Education
Vocational Agricultural
Education

SCHOOL OF ENGINEERING

Architecture

Architectural Engineering

Ceramic Engineering

Chemical Engineering

Civil Engineering

Electrical Engineering

Mechanical Engineering

SCHOOL OF TEXTILES

Textile Chemistry

Textile Engineering

Textile Manufacturing

While the College is glad to assist all who ask for help in securing employment, it does not guarantee positions to those who complete any of the courses of study.

In the curricula which follow are given the official title and number of the course, the descriptive title, the number of semester hours credit, and in parentheses the number of hours per week in class and laboratory, respectively.

SCHOOL OF AGRICULTURE

Organized under the School of Agriculture are nine curricula, including Agricultural Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Botany, Dairying, Entomology, Horticulture, and Poultry. In general, the work of agricultural graduates may be classified in six rather broad fields: Farming, both general and specialized; agricultural extension service, including county agent work and extension specialists; research, especially work with the agricultural experiment stations; government regulatory work, such as plant inspection with the U. S. Bureau of Entomology and Plant Quarantine; teaching in college after appropriate graduate work is completed; and a host of occupations with commercial concerns, such as seed companies, meat packers, fertilizer companies, florists, canneries, hatcheries, commercial feed manufacturers, agricultural implement concerns, etc. To illustrate the types of work in which graduates of each curriculum engage, a few of the many occupations of agricultural graduates are given below.

AGRICULTURE

BASIC CURRICULUM

Required of all agricultural students except those in Agricultural Engineering, Pre-Forestry, and Pre-Veterinary

FRESHMAN YEAR

First Semester

AH 101 Types and Breeds.....	2	(2,0)
AH 103 Types and Breeds Lab.....	1	(0,3)
Bot 101 General Botany.....	3	(3,0)
Bot 103 General Botany Lab.....	1	(0,3)
Chem 101 General Chemistry.....	4	(3,3)
Engl 101 Comp. and Lit.....	3	(3,0)
Math 101 College Algebra.....	3	(3,0)
AS or MS 101 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

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Second Semester

Agrom 101 Farm Crops.....	3	(3,0)
Chem 102 General Chemistry.....	4	(3,3)
Engl 102 Comp. and Lit.....	3	(3,0)
Math 102 Trigonometry.....	3	(3,0)
Zool 101 General Zoology.....	3	(3,0)
Zool 103 General Zoology Lab.....	1	(0,3)
AS or MS 102 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

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SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3	(3,0)	Ag Ch 220 Agric. Org. Chemistry*.....	4	(3,3)
Ag En 201 Farm Machinery.....	3	(2,3)	Agron 202 Soils.....	3	(2,3)
Engl 203 Survey of Engl. Lit.....	3	(3,0)	Dairy 201 Dairying.....	3	(2,3)
For 205, 207 Farm Forestry.....	3	(2,3)	Engl 204 Survey of Engl. Lit.....	3	(3,0)
or Geol 201 Agric. Geology.....	3	(3,0)	Phys 202 General Physics.....	3	(3,0)
Hort 201 Gen. Horticulture.....	3	(2,3)	Phys 204 General Physics Lab.....	1	(0,3)
Phys 201 General Physics.....	3	(3,0)	AS or MS 202 Drill.....	0	(0,3)
Phys 203 General Physics Lab.....	1	(0,3)	AS or MS - Basic.....	1	(2,0)
AS or MS 201 Drill.....	0	(0,3)			
AS or MS - Basic.....	1	(2,0)			

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* Agricultural Economics majors may substitute Math 104 for Ag Ch 220.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

Training in Agricultural Economics and Rural Sociology prepares students wholly or in part for farming; managing farms; appraising land, marketing activities; supervising agricultural loan departments in private banks; directing farmer cooperatives such as the production credit and farm loan associations affiliated with the Farm Credit Administration; educational work as teachers or extension workers; public relations research and sales work for the manufacturers of agricultural implements, fertilizers, etc.; organizational and publicity work for farm organizations and cooperative associations; positions in state, county and local government service; research work in farm management, farm credit, taxation, marketing, farm population and rural life trends; farm planning work for the Soil Conservation Service; and for operating numerous enterprises where a knowledge of economic principles is an essential supplement to knowledge of the technical requirements of the business.

AGRICULTURAL ECONOMICS MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Ag Ec 305 Farm Accounting.....	3 (2,3)	Ag Ec 302 Farm Management.....	4 (3,3)
Ag Ec 309 Marketing.....	3 (2,3)	Ag Ec 352 Public Finance.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
Hist 301 U. S. since 1865.....	3 (3,0)	PH 301 Farm Poultry.....	3 (3,0)
RS 301 Rural Sociology.....	3 (3,0)	PH 303 Farm Poultry Lab.....	1 (0,3)
AS or MS 301 Drill.....	0 (0,3)	AS or MS 302 Drill.....	0 (0,3)
Approved Electives.....	4	Approved Electives.....	4

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bacteriology Lab.....	1 (0,3)
YM 305 Cotton Marketing.....	1 (0,3)

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Suggested Electives:

Ag Ec 356 Agri. Ind. Rel.....	3 (3,0)
AS or MS — Advanced.....	3 (4,0)
Dairy 352 Advertising & Mktg.....	3 (3,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)

SENIOR YEAR

Ag Ec 401 Statistics.....	4 (3,3)	Ag Ec 406 Seminar.....	1 (1,0)
Ag Ec 405 Seminar.....	1 (1,0)	Ag Ec 452 Agric. Policy.....	3 (3,0)
Ag Ec 451 Economics of Coop.....	3 (3,0)	Ag Ec 456 Prices.....	3 (3,0)
or Ag Ec 460 Agric. Finance.....	3 (3,0)	or Ag Ec 455 Internat. Trade.....	3 (3,0)
Agro 302 Genetics.....	3 (2,3)	Ag En 301 Soil Conservation.....	3 (2,3)
Psych 301 General Psychology.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
AS or MS 401 Drill.....	0 (0,3)	AS or MS 402 Drill.....	0 (0,3)
Approved Electives.....	6	Approved Electives.....	6

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
Gov 403 International Relations.....	3 (3,0)
RS 459 The Rural Community.....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
Econ 302 Money and Banking.....	3 (3,0)
RS 459 The Rural Community.....	3 (3,0)
Soc 402 The Family.....	3 (3,0)

AGRONOMY

Agronomy graduates have opportunities in general farming, soil conservation service, agricultural extension and experiment station work, and may also be found as plant breeders, soil analysts, and crop specialists. Other positions include work with commercial concerns such as fertilizer companies, seedsmen, and manufacturers of certain food products.

AGRONOMY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

Ag En 301 Soil Conservation.....	3	(2,3)
Agron 301 Fertilizers.....	3	(3,0)
Bact 301 Gen. Bacteriology.....	3	(3,0)
Bact 303 Gen. Bacteriology Lab....	1	(0,3)
Engl 301 Public Speaking.....	3	(3,0)
AS or MS 301 Drill.....	0	(0,3)
Approved Electives.....	6	

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Suggested Electives:

AS or MS - Advanced.....	3	(4,0)
Chem 211 Qual. Analysis.....	3	(1,6)
Chem 212 Quan. Analysis.....	3	(1,6)
Ent 301 Elem. & Econ. Ent.....	3	(2,3)
RS 301 Rural Sociology.....	3	(3,0)

Second Semester

Agron 302 Genetics.....	3	(2,3)
Agron 306 Forage Crops.....	3	(3,0)
Bot 352 Plant Physiology.....	3	(3,0)
Bot 354 Plant Physiology Lab....	1	(0,3)
PH 301 Farm Poultry.....	3	(3,0)
PH 303 Farm Poultry Lab.....	1	(0,3)
AS or MS 302 Drill.....	0	(0,3)
Approved Elective.....	3	

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Suggested Electives:

Ag Ec 302 Farm Management....	4	(3,3)
AS or MS - Advanced.....	3	(4,0)
For 205 Farm Forestry.....	2	(2,0)
For 207 Farm Forestry Lab.....	1	(0,3)

SENIOR YEAR

Agron 401 Adv. Crop Lab.....	1	(0,3)
Agron 405 Plant Breeding.....	3	(2,3)
Agron 409 Cotton & Tobacco.....	3	(3,0)
Agron 451 Min. Nutr. Crops.....	2	(2,0)
Agron 455 Seminar.....	1	(1,0)
Agron 457 Res. and Thesis.....	1	(0,3)
Bot 401 Plant Pathology.....	2	(2,0)
Bot 403 Plant Pathology Lab....	1	(0,3)
Psych 301 Gen. Psychology.....	3	(3,0)
AS or MS 401 Drill.....	0	(0,3)
Approved Elective.....	3	

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Suggested Electives:

Ag Ec 309 Marketing.....	3	(2,3)
Ag Ec 401 Statistics.....	4	(3,3)
AS or MS - Advanced.....	3	(4,0)

Agron 452 Soil Management....	2	(2,0)
Agron 454 Adv. Soil Lab.....	1	(0,3)
Agron 456 Seminar.....	1	(1,0)
Agron 458 Res. and Thesis.....	1	(0,3)
AH 301 Feeds and Feeding.....	3	(3,0)
Bact 410 Soil Microbiology.....	2	(2,0)
Bact 412 Soil Microbiology Lab..	1	(0,3)
Gov 301 Am. G. & Pol. Par.....	3	(3,0)
AS or MS 402 Drill.....	0	(0,3)
Approved Electives.....	6	

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Suggested Electives:

Ag Ec 460 Agric. Finance.....	3	(3,0)
AS or MS - Advanced.....	3	(4,0)
Bot 356 Taxonomy.....	1	(1,0)
Bot 358 Taxonomy Lab.....	2	(0,6)
Bot 402 Economic Botany.....	2	(2,0)
Bot 404 Economic Botany Lab....	1	(0,3)

ANIMAL HUSBANDRY

Occupations for Animal Husbandry graduates include livestock farming, cattle and swine breeding, extension livestock specialists, feed specialists, county agents, agricultural teachers, research work in animal industry, positions with meat packing companies, feed dealers, freezer locker operators, livestock dealers, and livestock commission brokers.

ANIMAL HUSBANDRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

Agron 301 Fertilizers.....	3 (3,0)
AH 301 Feeds and Feeding.....	3 (3,0)
AH 303 Feeding Lab.....	1 (0,3)
Agron 302 Genetics.....	3 (2,3)
Engl 301 Public Speaking.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)
Approved Electives.....	6

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
RS 301 Rural Sociology.....	3 (3,0)

Second Semester

Ag Ec 302 Farm Management....	4 (3,3)
Agron 306 Forage Crops.....	3 (3,0)
AH 306 Judging.....	1 (0,3)
AH 310 Pork Production.....	2 (2,0)
AH 312 Brds. of Livestock.....	2 (2,0)
AH 314 Pork Production Lab....	1 (0,3)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

Ag Ec 460 Agric. Finance.....	3 (3,0)
Ag En 301 Soil Conservation....	3 (2,3)
AS or MS — Advanced.....	3 (4,0)

SENIOR YEAR

AH 401 Beef Production.....	2 (2,0)
AH 403 Beef Production Lab....	1 (0,3)
AH 451 Advanced Feeds.....	2 (2,0)
AH 455 Farm Meats.....	2 (0,6)
Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bacteriology Lab..	1 (0,3)
Psych 301 Gen. Psychology.....	3 (3,0)
AS or MS 401 Drill.....	0 (0,3)
Approved Electives.....	6

20

Suggested Electives:

Ag Ec 309 Marketing.....	3 (2,3)
AS or MS — Advanced.....	3 (4,0)
AH 405 Advanced Judging.....	1 (0,3)
Dairy 309 Animal Nutrition.....	3 (3,0)
VS 401 Anat. & Physiology.....	2 (2,0)
VS 403 Vet. Science Lab.....	1 (0,3)

AH 402 Horse & Sheep Pr.....	3 (3,0)
AH 406 Seminar.....	2 (2,0)
AH 452 Animal Breeding.....	2 (2,0)
AH 454 Animal Breeding Lab....	1 (0,3)
AH 456 Advanced Meats.....	1 (1,0)
AH 458 Advanced Meats Lab....	1 (0,3)
PH 301 Farm Poultry.....	3 (3,0)
PH 303 Farm Poultry Lab.....	1 (0,3)
AS or MS 402 Drill.....	0 (0,3)
Approved Elective.....	4

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
Hort 464 Food Preservation.....	3 (2,3)
VS 402 Animal Diseases.....	2 (2,0)

BOTANY

Opportunities in Botany include research work with the state and federal agencies as well as with private agencies such as manufacturers of foods and fibers, agricultural chemicals, fertilizers, weed control chemicals, and seedsmen. Occupations in the agricultural extension work, teaching of biological sciences, curators of herbaria, industrial sales and demonstration representatives for companies manufacturing fungicides and herbicides are also available. Plant pathologists also have opportunities in nursery, orchard and food inspection as well as pathologist-plant breeders with seed companies and other research agencies.

BOTANY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

Bact 301 Gen. Bacteriology.....	3	(3,0)
Bact 303 Gen. Bacteriology Lab....	1	(0,3)
Bot 351 Plant Morphology.....	2	(2,0)
Bot 353 Plant Morphology Lab....	2	(0,6)
Bot 355 Histology.....	2	(0,6)
Engl 301 Public Speaking.....	3	(3,0)
Ger 101 Elementary German.....	3	(3,0)
AS or MS 301 Drill.....	0	(0,3)
Approved Elective.....	3	

19

Suggested Electives:

AS or MS — Advanced.....	3	(4,0)
Econ 312 Commercial Law.....	3	(3,0)
Hort 301 Prin. Veg. Prod.....	3	(2,3)

Second Semester

Agron 302 Genetics.....	3	(2,3)
Bot 352 Plant Physiology.....	3	(3,0)
Bot 354 Plant Physiology Lab....	1	(0,3)
Bot 356 Taxonomy.....	1	(1,0)
Bot 358 Taxonomy Lab.....	2	(0,6)
Cer 102 Elementary German.....	3	(3,0)
Gov 301 Am. G. & Pol. Par.....	3	(3,0)
AS or MS 302 Drill.....	0	(0,3)
Approved Elective.....	3	

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Suggested Electives:

AS or MS — Advanced.....	3	(4,0)
Ent 302 General Entomology.....	3	(2,3)
For 205 Farm Forestry.....	2	(2,0)
For 207 Farm Forestry Lab.....	1	(0,3)

SENIOR YEAR

Bot 401 Plant Pathology.....	2	(2,0)
Bot 403 Plant Pathology Lab....	1	(0,3)
Bot 405 Seminar & Thesis.....	2	(1,3)
Bot 451 Morph. of Fungi.....	2	(2,0)
Bot 453 Morph. Fungi Lab.....	1	(0,3)
Ent 301 Elem. & Econ. Ent.....	3	(2,3)
Psych 301 Gen. Psychology.....	3	(3,0)
AS or MS 401 Drill.....	0	(0,3)
Approved Electives.....	6	

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Suggested Electives:

Ag Ec 401 Statistics.....	4	(3,3)
Agron 405 Plant Breeding.....	3	(2,3)
Agron 451 Min. Nutri. Crops.....	2	(2,0)
AS or MS — Advanced.....	3	(4,0)

Bot 402 Economic Botany.....	2	(2,0)
Bot 404 Economic Botany Lab....	1	(0,3)
Bot 406 Seminar & Thesis.....	2	(1,3)
Bot 452 Ecology.....	2	(2,0)
Bot 454 Ecology Lab.....	2	(0,6)
PH 301 Farm Poultry.....	3	(3,0)
PH 303 Farm Poultry Lab.....	1	(0,3)
AS or MS 402 Drill.....	0	(0,3)
Approved Electives.....	5	

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Suggested Electives:

Agron 452 Soil Management.....	2	(2,0)
Agron 454 Adv. Soil Lab.....	1	(0,3)
AS or MS — Advanced.....	3	(4,0)
Bact 410 Soil Microbiology.....	2	(2,0)
Bact 412 Soil Microbiology Lab....	1	(0,3)
Hort 456 Truck Crops.....	3	(2,3)

DAIRYING

Opportunities in Dairying include dairy farming, dairy plant management, dairy herdsmen for large breeding companies, ice cream manufacturing, laboratory and technical work in dairy plants, milk inspection work, dairy extension specialist, research work with state, federal and commercial organizations, as well as many positions with milk products laboratories and production plants.

DAIRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bacteriology Lab...	1 (0,3)
Agron 302 Genetics.....	3 (2,3)
Dairy 302 Dairy Technology.....	3 (2,3)
Dairy 305 Dairy Cattle Judging...	1 (0,3)
Dairy 309 Animal Nutrition.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)
Approved Electives.....	5

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Suggested Electives:

Ag Ec 401 Statistics.....	4 (3,3)
AS or MS — Advanced.....	3 (4,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
VS 401 Anat. & Physiology.....	2 (2,0)
VS 403 Vet. Science Lab.....	1 (0,3)
Zool 302 Embryology.....	3 (2,3)

Second Semester

AH 301 Feeds and Feeding.....	3 (3,0)
Dairy 306 Market Milk*.....	3 (3,0)
Engl 301 Public Speaking.....	3 (3,0)
PH 301 Farm Poultry.....	3 (3,0)
PH 303 Farm Poultry Lab.....	1 (0,3)
AS or MS 302 Drill.....	0 (0,3)
Approved Electives.....	6

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
AH 310 Pork Production.....	2 (2,0)
AH 314 Pork Production Lab.....	1 (0,3)
Dairy 304 Judg. Dairy Prod.....	1 (0,3)
Dairy 308 Adv. Dy. Cattle Judg...	1 (0,3)
Dairy 352 Advertising & Mktg.*	3 (3,0)
Dairy 354 Endocrinology.....	3 (3,0)

SENIOR YEAR

Agron 301 Fertilizers.....	3 (3,0)
Bact 402 Dairy Bacteriology.....	2 (2,0)
Bact 404 Dairy Bacteriology Lab...	1 (0,3)
Dairy 401 Dairy Manufactures...	3 (2,3)
Dairy 409 Seminar.....	2 (2,0)
Dairy 452 Feeding & Mgt.....	3 (2,3)
AS or MS 401 Drill.....	0 (0,3)
Approved Electives.....	6

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Suggested Electives:

Agron 306 Forage Crops.....	3 (3,0)
AS or MS — Advanced.....	3 (4,0)
Econ 312 Commercial Law.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)

Dairy 402 Dairy Manufactures...	4 (2,6)
Dairy 405 Breeding.....	3 (2,3)
Dairy 410 Seminar.....	2 (2,0)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)
Psych 301 Gen. Psychology.....	3 (3,0)
AS or MS 402 Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

Ag Ec 302 Farm Management...	4 (3,3)
Ag Ec 460 Agric. Finance.....	3 (3,0)
AS or MS — Advanced.....	3 (4,0)
Dairy 352 Advertising & Mktg.*	3 (3,0)
VS 402 Animal Diseases.....	2 (2,0)
VS 403 Vet. Science Lab.....	1 (0,3)

* Dairy 306 and 352 are given in alternate years.

ENTOMOLOGY

Many Entomology graduates normally enter federal service with the U. S. Bureau of Entomology and Plant Quarantine as research men or as inspectors. Others enter responsible positions in teaching, research and extension staffs of the several State Colleges and Universities. Insecticide manufacturing concerns also attract many Entomology graduates. Beekeeping is also one phase of entomological work.

ENTOMOLOGY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

Bact 301 Gen. Bacteriology.....	3	(3,0)
Bact 303 Gen. Bacteriology Lab.....	1	(0,3)
Engl 301 Public Speaking.....	3	(3,0)
Ent 301 Elem. & Econ. Ent.....	3	(2,3)
Ger 101 Elementary German.....	3	(3,0)
Zool 301 Advanced Zoology.....	3	(2,3)
AS or MS 301 Drill.....	0	(0,3)
Approved Elective.....	3	

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Suggested Electives:

AS or MS — Advanced.....	3	(4,0)
Hort 305 Plant Propagation.....	3	(2,3)
RS 301 Rural Sociology.....	3	(3,0)

Second Semester

Agron 302 Genetics.....	3	(2,3)
Bot 352 Plant Physiology.....	3	(3,0)
Bot 354 Plant Physiology Lab.....	1	(0,3)
Ent 302 General Entomology.....	3	(2,3)
PH 301 Farm Poultry.....	3	(3,0)
PH 303 Farm Poultry Lab.....	1	(0,3)
Zool 306 Game Management.....	2	(2,0)
AS or MS 302 Drill.....	0	(0,3)
Approved Elective.....	3	

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Suggested Electives:

AS or MS — Advanced.....	3	(4,0)
For 205 Farm Forestry.....	2	(2,0)
For 207 Farm Forestry Lab.....	1	(0,3)
Ger 102 Elementary German.....	3	(3,0)
Zool 302 Embryology.....	3	(2,3)

SENIOR YEAR

Bot 401 Plant Pathology.....	2	(2,0)
Bot 403 Plant Pathology Lab.....	1	(0,3)
Ent 401 Econ. Entomology.....	3	(2,3)
Ent 405 Insect Morphology.....	3	(2,3)
Ent 451 Res. Tech. & Meth.....	2	(1,3)
Psych 301 Gen. Psychology.....	3	(3,0)
AS or MS 401 Drill.....	0	(0,3)
Approved Electives.....	6	

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Suggested Electives:

Ag Ec 401 Statistics.....	4	(3,3)
AS or MS — Advanced.....	3	(4,0)
Bot 451 Morph. of Fungi.....	2	(2,0)
Bot 453 Morph. Fungi Lab.....	1	(0,3)
Soc 301 Intro. Sociology.....	3	(3,0)

Ent 402 Econ. Entomology.....	3	(2,3)
Ent 406 Beekeeping.....	3	(2,3)
Ent 452 Taxonomic Ent.....	2	(1,3)
Ent 456 Parasitology.....	3	(2,3)
Ent 460 Seminar.....	2	(2,0)
Gov 301 Am. G. & Pol. Par.....	3	(3,0)
AS or MS 402 Drill.....	0	(0,3)
Approved Elective.....	2	

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Suggested Electives:

AS or MS — Advanced.....	3	(4,0)
Bot 356 Taxonomy.....	1	(1,0)
Bot 358 Taxonomy Lab.....	2	(0,6)
Econ 312 Commercial Law.....	3	(3,0)

HORTICULTURE

Opportunities in Horticulture include vegetable and fruit farm management, nursery management, landscape gardening, fresh fruit and vegetable and food products inspection, plant breeding, agricultural extension service, experiment station research, and food canning, freezing and dehydration. Other occupations include work with florists, seedsmen, fruit products companies, fertilizer companies, fungicide and insecticide manufacturers and dealers, and spraying and dusting equipment manufacturers and dealers.

HORTICULTURE MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

Agron 301 Fertilizers.....	3 (3,0)
Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bacteriology Lab.....	1 (0,3)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
Hort 301 Prin. Veg. Prod.....	3 (2,3)
Hort 305 Plant Propagation.....	3 (2,3)
AS or MS 301 Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
RS 301 Rural Sociology.....	3 (3,0)

Second Semester

Agron 302 Genetics.....	3 (2,3)
Bot 352 Plant Physiology.....	3 (3,0)
Bot 354 Plant Physiology Lab.....	1 (0,3)
Engl 301 Public Speaking.....	3 (3,0)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)
Hort 306 Landscape Design.....	2 (2,0)
Hort 308 Landscape Design Lab.....	1 (0,3)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

Ag Ec 302 Farm Management.....	4 (3,3)
AS or MS — Advanced.....	3 (4,0)
Bot 356 Taxonomy.....	1 (1,0)
Bot 358 Taxonomy Lab.....	2 (0,6)

SENIOR YEAR

Ag Ec 309 Marketing.....	3 (2,3)
Bot 401 Plant Pathology.....	2 (2,0)
Bot 403 Plant Pathology Lab.....	1 (0,3)
Hort 409 Seminar.....	1 (1,0)
Hort 451 Syst. Pomology.....	3 (2,3)
Hort 455 Breeding H. Crops.....	3 (2,3)
or Hort 405 Nut Culture.....	3 (2,3)
Psych 301 Gen. Psychology.....	3 (3,0)
AS or MS 401 Drill.....	0 (0,3)
Approved Elective.....	2

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
Hort 401 Landscape Design.....	2 (2,0)
Hort 403 Landscape Design Lab.....	1 (0,3)
Hort 415 Floriculture.....	3 (2,3)

Hort 410 Seminar.....	1 (1,0)
Hort 452 Commrc. Pomology.....	3 (2,3)
or Hort 402 Garden Design.....	2 (2,0)
Hort 404 Garden Design Lab.....	1 (0,3)
Hort 456 Truck Crops.....	3 (2,3)
or Hort 460 Landscape Design.....	3 (2,3)
Hort 464 Food Preservation.....	3 (2,3)
PH 301 Farm Poultry.....	3 (3,0)
PH 303 Farm Poultry Lab.....	1 (0,3)
AS or MS 402 Drill.....	0 (0,3)
Approved Electives.....	6

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Suggested Electives:

Ag En 301 Soil Conservation.....	3 (2,3)
AS or MS — Advanced.....	3 (4,0)
Ent 406 Beekeeping.....	3 (2,3)
Hort 466 Research Methods.....	3 (2,3)

POULTRY

Graduates in Poultry Husbandry major have opportunities as poultry farm operators, hatchery managers, sales and servicemen with feed manufacturers and poultry equipment concerns, poultry research workers and extension agents.

POULTRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

JUNIOR YEAR

First Semester

AH 301 Feeds and Feeding.....	3 (3,0)
AH 303 Feeding Lab.....	1 (0,3)
Agron 302 Genetics.....	3 (2,3)
RS 301 Rural Sociology.....	3 (3,0)
VS 401 Anat. & Physiology.....	2 (2,0)
VS 403 Vet. Science Lab.....	1 (0,3)
AS or MS 301 Drill.....	0 (0,3)
Approved Electives.....	6

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Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
Zool 301 Advanced Zoology.....	3 (2,3)

Second Semester

Ag Ec 302 Farm Management....	4 (3,3)
Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bacteriology Lab...	1 (0,3)
Engl 301 Public Speaking.....	3 (3,0)
PH 301 Farm Poultry.....	3 (3,0)
PH 303 Farm Poultry Lab.....	1 (0,3)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

Agron 306 Forage Crops.....	3 (3,0)
AS or MS - Advanced.....	3 (4,0)
Zool 302 Embryology.....	3 (2,3)
Zool 306 Game Management.....	2 (2,0)

SENIOR YEAR

PH 451 Poultry Breeding.....	3 (2,3)
PH 455 Grading & Process.....	3 (2,3)
PH 459 Dis. & Parasites.....	3 (2,3)
Psych 301 Gen. Psychology.....	3 (3,0)
AS or MS 401 Drill.....	0 (0,3)
Approved Electives.....	7

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Suggested Electives:

Ag Ec 309 Marketing.....	3 (2,3)
Ag Ec 401 Statistics.....	4 (3,3)
AS or MS - Advanced.....	3 (4,0)
Dairy 309 Nutrition.....	3 (3,0)

Gov 301 Am. G. & Pol. Par.....	3 (3,0)
Hort 464 Food Preservation.....	3 (2,3)
PH 452 Feed. & Flock Mgt.....	3 (2,3)
PH 456 Incubat. & Brood.....	3 (2,3)
PH 460 Seminar.....	2 (2,0)
AS or MS 402 Drill.....	0 (0,3)
Approved Electives.....	6

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Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Ent 406 Beekeeping.....	3 (4,0)

AGRICULTURAL ENGINEERING

Opportunities in Agricultural Engineering include mechanized farming; research with state, federal, and private agencies; sales, service, advertising and design of farm equipment and materials; agricultural extension service with state and federal agencies; employment in the fields of soil conservation, land drainage and reclamation, and irrigation; rural electrification work with power companies, manufacturers of electrical equipment and the Rural Electrification Administration of the United States Department of Agriculture; and private business such as farming, operating machinery dealerships and related lines of business.

AGRICULTURAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
DD 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
Math 103 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
CE 101 Elementary Surveying.....	2 (1,3)
DD 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ag En 203 Ag. Engr. Problems.....	2 (1,3)
Ag En 207 Farm Mechanics.....	2 (1,3)
AH 101 Types and Breeds.....	2 (2,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 Gen. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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Ag En 202 Farm Equipment.....	3 (2,3)
Agron 101 Farm Crops.....	3 (3,0)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 Gen. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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JUNIOR YEAR

Ag En 351 Farm Tractors.....	3 (2,3)
Agron 202 Soils.....	3 (2,3)
EE 303 Elec. Cir. & Machines.....	4 (3,3)
ME 305 Heat Power.....	3 (3,0)
ME 307 Mech. Engr. Lab.....	1 (0,3)
Mech 302 Statics.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)
Approved Elective.....	3

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Ag En 304 Rur. Electrifi.....	3 (2,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 General Botany Lab.....	1 (0,3)
Gov 301 Am. G. & Pol. Par.....	3 (3,0)
In En 201 Metal Processes.....	2 (0,6)
In En 302 Welding.....	2 (1,3)
Mech 304 Mech. of Matr.....	3 (3,0)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Arch 215 Building Materials.....	2 (2,0)
CE 203 Topog. Survey & Map.....	1 (0,3)
CE 319 Gen. Photogrammetry.....	3 (2,3)
DD 305 Kinematics of Mach.....	2 (1,3)
Mech 303 Kinetics.....	3 (3,0)

Suggested Electives:

Ag Ec 302 Farm Management.....	4 (3,3)
Agron 306 Forage Crops.....	3 (3,0)
AS or MS - Advanced.....	3 (4,0)
Arch 216 Building Design.....	2 (2,0)
DD 306 Machine Design.....	2 (1,3)
ME 306 Heat Power.....	3 (3,0)

SENIOR YEAR

Ag En 401 Soil & Wat. Con. En.....	3 (2,3)
Ag En 409 Seminar.....	1 (1,0)
Ag En 451 Farm Structures.....	3 (2,3)
Hist 301 U. S. since 1865.....	3 (3,0)
Mech 401 Fluid Mechanics.....	3 (3,0)
Mech 403 Fluid Mech. Lab.....	1 (0,3)
MS 401 Military Drill.....	0 (0,3)
Approved Elective.....	3

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Ag En 402 Drain. & Irrig.....	3 (2,3)
Ag En 406 Adv. Farm Mach.....	3 (2,3)
Ag En 410 Seminar.....	1 (1,0)
Ag En 452 Adv. Farm Struct.....	3 (2,3)
Engl 301 Public Speaking.....	3 (3,0)
Hort 464 Food Preservation.....	3 (2,3)
MS 402 Military Drill.....	0 (0,3)
Approved Elective.....	3

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Suggested Electives:

Ag Ec 401 Statistics.....	4 (3,3)
AS or MS - Advanced.....	3 (4,0)
In En 402 Metallurgy.....	3 (3,0)
Mech 464 Flow in Open Channels	2, 3 (2,3,0)

Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Hort 452 Commercial Pomology.....	3 (2,3)
ME 414 Heat Power Lab.....	2 (0,6)
Mech 460 Hydrology.....	3 (3,0)

PRE-FORESTRY

Students completing the two-year Pre-Forestry program at Clemson are qualified to transfer to any of the major forestry institutions in the country. Opportunities exist for work on national forests, state forests, and large private timber lands in technical administrative capacity. Men with training in forest products are also in demand in pulp and paper mills and laboratories and in the mills and developmental laboratories of the larger lumber, plywood and furniture companies in this region and throughout the country.

PRE-FORESTRY

FRESHMAN YEAR

First Semester

Bot 101 General Botany	3 (3,0)
Bot 103 General Botany Lab.	1 (0,3)
Chem 101 General Chemistry	4 (3,3)
DD 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
Math 101 College Algebra	3 (3,0)
As or MS 101 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

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Second Semester

Chem 102 General Chemistry	4 (3,3)
CE 101 Elementary Surveying	2 (1,3)
DD 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 102 Trigonometry	3 (3,0)
Zool 101 General Zoology	3 (3,0)
Zool 103 Gen. Zool. Lab.	1 (0,3)
AS or MS 102 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

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SOPHOMORE YEAR

CE 201 Surveying	2 (2,0)
CE 203 Topog. Survey. & Map.	1 (0,3)
Engl 203 Survey of Engl. Lit.	3 (3,0)
For 201 Introduction to Forestry	2 (2,0)
For 203 Intro. to For. Lab.	1 (0,3)
Geol 201 Agric. Geology	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
AS or MS 201 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

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CE 202 Surveying	2 (2,0)
Econ 201 Prin. of Economics	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
For 202 Dendrology	3 (3,0)
For 204 Dendrology Lab.	1 (0,3)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
AS or MS 202 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

17

PRE-VETERINARY MEDICINE

The curriculum in Pre-Veterinary Medicine is designed to meet the general requirements of certain Schools of Veterinary Medicine. Since the requirements for entrance to these schools are not uniform, the student should consider the specific requirements of the school he expects to attend in choosing elective courses. Under the Southern Regional plan qualified students from South Carolina may enter the School of Veterinary Medicine at the University of Georgia. The Pre-Veterinary curriculum meets the entrance requirements of the School of Veterinary Medicine at the University of Georgia.

PRE-VETERINARY

FRESHMAN YEAR

First Semester

AH 101 Types and Breeds.....	2 (2,0)
AH 103 Types and Breeds Lab....	1 (0,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 General Botany Lab.....	1 (0,3)
Chem 103 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

18

Second Semester

Chem 104 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Hist 101 American History.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
AS or MS 102 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

18

SOPHOMORE YEAR

Ag Ch 220 Agric. Org. Chemistry..	4 (3,3)
Dairy 201 Dairying.....	3 (2,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)
Phys 203 General Physics Lab....	1 (0,3)
PH 301 Farm Poultry.....	3 (3,0)
PH 303 Farm Poultry Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

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Ag Ec 201 Agric. Economics.....	3 (3,0)
Agron 101 Farm Crops.....	3 (3,0)
Bot 401 Plant Pathology.....	2 (2,0)
Bot 403 Plant Pathology Lab....	1 (0,3)
Chem 211 Qual. Analysis.....	3 (1,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Zool 301 Advanced Zoology.....	3 (2,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

19

SCHOOL OF ARTS AND SCIENCES

In addition to acting as a service school to all other schools of the College in furnishing the training in the humanities and the social and physical sciences which is essential to the general education of students, the School of Arts and Sciences offers three curricula:

1. The curriculum in Arts and Sciences, leading to the degree of Bachelor of Science in Arts and Sciences.
2. The curriculum in Pre-Medicine, leading to the degree of Bachelor of Science in Pre-Medicine.
3. The curriculum in Industrial Physics, leading to the degree of Bachelor of Science in Industrial Physics.

Students majoring in the School of Arts and Sciences should secure from the Dean of the School of Arts and Sciences the *Handbook for Students Majoring in the School of Arts and Sciences*, the purpose of which is to provide information to students about possible fields of study, guidance in choosing an appropriate field of concentration, a list of approved electives, and additional information about the requirements for graduation in this school.

ARTS AND SCIENCES

The curriculum in Arts and Sciences is planned to meet the needs of those students who desire a broad, general education

as a preparation for intelligent citizenship and for vocational efficiency. The first two years are spent in introductory work in various fields, in order to give the student breadth of view and to enable him to take a more intelligent part in his own education. During the last two years the student concentrates in selected fields.

ARTS AND SCIENCES

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4	(3,3)
Engl 101 Comp. and Lit.....	3	(3,0)
Hist 101 American History.....	3	(3,0)
Math 103 Freshman Math.....	5	(5,0)
Modern Language.....	3	(3,0)
AS or MS 101 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

19

Second Semester

Chem 102 General Chemistry.....	4	(3,3)
Engl 102 Comp. and Lit.....	3	(3,0)
Hist 102 American History.....	3	(3,0)
Math 104 Freshman Math.....	5	(5,0)
Modern Language.....	3	(3,0)
AS or MS 102 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

19

SOPHOMORE YEAR

Bot 101 General Botany *	3	(3,0)
Bot 103 General Botany Lab. *	1	(0,3)
Engl 203 Survey of Engl. Lit.....	3	(3,0)
Math 203 Diff. Calculus *	5	(5,0)
Modern Language.....	3	(3,0)
Phys 201 General Physics.....	3	(3,0)
Phys 203 General Physics Lab.....	1	(0,3)
AS or MS 201 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)
Approved Elective.....	2	- 3

18

Engl 204 Survey of Engl. Lit.....	3	(3,0)
Math 204 Integral Calculus *	5	(5,0)
Modern Language.....	3	(3,0)
Phys 202 General Physics.....	3	(3,0)
Phys 204 General Physics Lab.....	1	(0,3)
Zool 101 General Zoology *	3	(3,0)
Zool 103 Gen. Zool. Lab.....	1	(0,3)
AS or MS 202 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)
Approved Elective.....	2	- 3

18

JUNIOR YEAR

Engl 301 Public Speaking.....	3	(3,0)
AS or MS 301 Drill.....	0	(0,3)
Approved Electives.....	16	

19

AS or MS 302 Drill.....	0	(0,3)
Approved Electives.....	19	

19

SENIOR YEAR

AS or MS 401 Drill.....	0	(0,3)
Approved Electives.....	19	

19

AS or MS 402 Drill.....	0	(0,3)
Approved Electives.....	19	

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SUPPLEMENTARY REQUIREMENTS

(1) Before the registration date beginning his Junior year, the student shall select two of the fields of study in the curriculum in Arts and Sciences as fields of concentration. These may be selected from Economics and Sociology, English, Government and History, Mathematics, Physics, Modern Languages, Biological Sciences, and Chemistry.

(2) A minimum of twenty-four hours shall be taken in the primary field of concentration and fifteen hours in the secondary

* Students who elect Chemistry, Mathematics, or Physics for one of their fields of concentration shall take Mathematics 203 and 204 and may elect Physics 211, 213 and 212, 214 instead of Physics 201, 203 and 202, 204 during their sophomore year, postponing until their junior year Botany and Zoology, which are required for graduation.

field. This work shall be on the Junior-Senior level except that Mathematics 203 and 204 may be used as part fulfillment of this requirement by a student whose field of concentration is Mathematics.

(3) Besides the courses in the primary and secondary fields of concentration, a minimum of 12 additional approved elective hours shall be taken in courses of Junior-Senior level.

(4) The remainder of the elective work may be taken from the list of approved electives.

(5) Students majoring in Arts and Sciences who desire to teach in the public schools may fulfill the requirements for the secondary field of concentration by taking the eighteen hours of Education required by the State Board of Education.

(6) For graduation in Arts and Sciences at least the second year of one foreign language must be completed in college.

(7) The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military in this total.

For lists of subjects in fields of concentration, for list of approved electives, and for further information the student should consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

INDUSTRIAL PHYSICS

The curriculum in Industrial Physics is intended to give a thorough knowledge of the fundamental principles of physics to students who plan to enter industrial laboratories. This course combines sound theoretical training and extensive laboratory practices in the various branches of physics with considerable work in one related field such as Chemistry or Electrical Engineering. The student is encouraged to take at least two advanced mathematics courses and other technical courses may be taken as electives if desired. On completing this curriculum the student should be prepared to enter research in an industrial or government laboratory.

The freshman year of this curriculum is practically identical with that for engineering students and the sophomore year is also quite similar; therefore a student may postpone deciding which course to take until his junior year. For further information about this curriculum consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

INDUSTRIAL PHYSICS

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
DD 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
Math 103 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
CE 101 Elementary Surveying.....	2 (1,3)
or Gov 101 Amer. Nat'l Gov't.....	3 (3,0)
DD 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

17 or 18

SOPHOMORE YEAR

In En 201 Metal Processes.....	2 (0,6)
or Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
or Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)
Approved Elective.....	0 - 3

18

Approved Electives.....	4
or Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
or Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

18 or 17

JUNIOR YEAR

EE 307 D. C. Circ. & Mach.....	4 (3,3)
or Chem 221 Elem. Org. Chem.....	5 (3,6)
Math 306 Ord. Diff. Equations.....	3 (3,0)
Phys 301 Intro. to Mod. Physics.....	3 (3,0)
Phys 303 Exp. in Mod. Physics.....	1 (0,3)
Phys 321 Mech & Prop. Mat.....	4 (4,0)
Phys 323 Experimental Mech.....	1 (0,3)
AS or MS 301 Drill.....	0 (0,3)
Approved Electives.....	3 - 4

20

EE 308 A. C. Circ. & Mach.....	4 (3,3)
or Chem 222 Elem. Org. Chem.....	5 (3,6)
Engl 301 Public Speaking.....	3 (3,0)
Math (as approved).....	3
Phys 312 Heat & Kinetic Th.....	4 (4,0)
Phys 314 Experimental Heat.....	1 (0,3)
AS or MS 302 Drill.....	0 (0,3)
Approved Electives.....	4 - 5

20

SENIOR YEAR

EE 320 Electronics.....	4 (3,3)
or Chem 331 & 333 Phys. Chem.....	5 (3,6)
Hist 301 U. S. since 1865.....	3 (3,0)
Phys 441 Magnetism & Elec.....	4 (4,0)
Phys 443 Experimental Elec.....	1 (0,3)
AS or MS 301 Drill.....	0 (0,3)
Approved Electives.....	7 - 8

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EE (as approved).....	4
or Chem 332 & 334 Phys. Chem.....	5 (3,6)
Phys 432 Light.....	4 (4,0)
Phys 434 Experimental Light.....	1 (0,3)
AS or MS 402 Drill.....	0 (0,3)
Approved Electives.....	10 - 11

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PRE-MEDICINE

The curriculum in Pre-Medicine is designed to meet the general entrance requirements of standard medical colleges. Since, however, requirements for entrance to various medical schools are not uniform, the student before choosing his electives should consult the specific requirements of the medical college of his preference.

Those preparing for the study of medicine are advised to complete four years of undergraduate work before entering a

medical school. Clemson College, however, will award the degree of Bachelor of Science in Pre-Medicine to a student who, after completing all requirements of the first three years of the Pre-Medical course, is graduated from a medical college approved by the American Medical Association. Requirements of the first three years would be three-fourths of the number of hours required for graduation, including required courses for the first three years.

The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military courses in this total.

PRE-MEDICINE

FRESHMAN YEAR

First Semester

Chem. 103 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Fr 101 Elementary French.....	3 (3,0)
or Ger 101 Elementary Ger.....	3 (3,0)
Hist 101 American History.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

19

Second Semester

Chem 104 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Fr 102 Elementary French.....	3 (3,0)
or Ger 102 Elementary Ger.....	3 (3,0)
Hist 102 American History.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

19

SOPHOMORE YEAR

Chem 211 Qual. Analysis.....	3 (1,6)
DD 101 Freehand Drawing.....	1 (0,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Fr 201 Intermediate French.....	3 (3,0)
or Ger 201 Intermediate Ger.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)
Phys 203 General Physics Lab.....	1 (0,3)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

19

Bot 101 General Botany.....	3 (3,0)
Bot 103 General Botany Lab.....	1 (0,3)
Chem 212 Quan. Analysis.....	3 (1,6)
Engl 204 Survey of Engl Lit.....	3 (3,0)
Fr 202 Intermediate French.....	3 (3,0)
or Ger 202 Intermediate Ger.....	3 (3,0)
Phys 202 General Physics.....	3 (3,0)
Phys 204 General Physics Lab.....	1 (0,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

18

JUNIOR YEAR

Chem 221 Elem. Org. Chem.....	5 (3,6)
Econ 201 Prin. of Economics.....	3 (3,0)
Engl 301 Public Speaking.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)
Approved Electives.....	8

19

Chem 222 Elem. Org. Chem.....	5 (3,6)
Econ. 202 Prin. of Economics.....	3 (3,0)
AS or MS 302 Drill.....	0 (0,3)
Approved Electives.....	11

19

SENIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)
Hist 303 Hist. of Civ.....	3 (3,0)
Psych 301 Gen. Psychology.....	3 (3,0)
Zool 301 Advanced Zoology.....	3 (2,3)
AS or MS 401 Drill.....	0 (0,3)
Approved Electives.....	6

19

Hist 304 Hist. of Civ.....	3 (3,0)
Psych 302 Social Psychology.....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)
Zool 302 Embryology.....	3 (2,3)
AS or MS 402 Drill.....	0 (0,3)
Approved Electives.....	6

18

SCHOOL OF CHEMISTRY

AGRICULTURAL CHEMISTRY

The curriculum in Agricultural Chemistry is designed to give the student a thorough understanding of the basic principles of chemistry and their application in the agricultural and biological sciences. The curriculum includes courses which are fundamental to both agriculture and chemistry. Opportunities exist for graduates in Agricultural Chemistry in agricultural experiment stations, governmental agencies, and in industries producing fertilizers, pesticides, foods and feeds.

AGRICULTURAL CHEMISTRY

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bot 101 General Botany.....	3 (3,0)	Chem 104 General Chemistry.....	4 (3,3)
Bot 103 General Botany Lab.....	1 (0,3)	DD 102 Technical Drawing.....	1 (0,3)
Chem 103 General Chemistry.....	4 (3,3)	Engl 102 Comp. and Lit.....	3 (3,0)
DD 101 Freehand Drawing.....	1 (0,3)	Math 104 Freshman Math.....	5 (5,0)
Engl 101 Comp. and Lit.....	3 (3,0)	Zool 101 General Zoology.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)	Zool 103 General Zoology Lab.....	1 (0,3)
AS or MS 101 Drill.....	0 (0,3)	AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)	AS or MS - Basic.....	1 (2,0)
	18		18

SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)	Agron 202 Soils.....	3 (2,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Chem 216 Quant. Analysis.....	4 (2,6)
Geol 201 Agric. Geology.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)	Math 204 Integral Calculus.....	5 (5,0)
Phys 201 General Physics.....	3 (3,0)	Phys 202 General Physics.....	3 (3,0)
Phys 203 General Physics Lab.....	1 (0,3)	Phys 204 General Physics Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)	AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)	AS or MS - Basic.....	1 (2,0)
	20		20

JUNIOR YEAR

Bact 301 General Bacteriology.....	3 (3,0)	Bot 352 Plant Physiology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Bot 354 Plant Physiology Lab.....	1 (0,3)
Chem 221 Organic Chemistry.....	5 (3,6)	Chem 222 Organic Chemistry.....	5 (3,6)
Engl 301 Public Speaking.....	3 (3,0)	Chem 336 Physical Chemistry.....	5 (5,0)
AS or MS 301 Drill.....	0 (0,3)	AS or MS 302 Drill.....	0 (0,3)
Approved Electives *.....	7	Approved Electives *.....	5
	19		19

SENIOR YEAR

Ag Ch 421 Agric. Biochemistry.....	3 (3,0)	Ag Ch 412 Sanitary Chemistry.....	3 (1,6)
Chem 411 Adv. Quant. Anal.....	3 (1,6)	Ag Ch 422 Agric. Biochemistry.....	3 (3,0)
Chem 431 Colloid Chemistry.....	2 (2,0)	Chem 432 Colloid Chemistry.....	2 (2,0)
AS or MS 401 Drill.....	0 (0,3)	Chem 442 Chem. Literature.....	2 (1,3)
Approved Electives *.....	10	AS or MS 402 Drill.....	0 (0,3)
	18	Approved Electives *.....	8
			18

* Electives:

For the degree of B.S. in Agricultural Chemistry, a student must elect 18 hours in History, Government, Economics, Sociology, Psychology, etc.

CHEMISTRY

The Chemistry curriculum is designed to give the student a thorough knowledge of the fundamental principles of chemistry. The course is so arranged that each student takes approximately the same number of hours of work in each of the four fundamental branches of chemistry,—Inorganic, Analytical, Organic and Physical. Additional work may be scheduled in any of these fields in which the student is particularly interested. The number of allowable elective credits is great enough to enable the student to take work in related fields such as engineering, textile chemistry, physics, bacteriology, etc. Graduates of the Chemistry curriculum are prepared for employment in any of the chemical industries in laboratory, plant control or sales work, as well as in Government Laboratories or State Experiment Stations. Many of our graduates go to other institutions for graduate work and the number of our Chemistry graduates who have obtained graduate degrees is impressive. These men are well distributed through industry and research institutions.

CHEMISTRY

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 103 General Chemistry.....	4 (3,3)	Chem 104 General Chemistry.....	4 (3,3)
DD 101 Freehand Drawing.....	1 (0,3)	DD 102 Technical Drawing.....	1 (0,3)
Engl 101 Comp. and Lit.....	3 (3,0)	Engl 102 Comp. and Lit.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)	Math 104 Freshman Math.....	5 (5,0)
Phys 201 General Physics.....	3 (3,0)	Phys 202 General Physics.....	3 (3,0)
Phys 203 General Physics Lab.....	1 (0,3)	Phys 204 General Physics Lab.....	1 (0,3)
AS or MS 101 Drill.....	0 (0,3)	AS or MS 102 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)	AS or MS — Basic.....	1 (2,0)

18

18

SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)	Chem 216 Quan. Analysis.....	4 (2,6)
Chem 221 Organic Chemistry.....	5 (3,6)	Chem 222 Organic Chemistry.....	5 (3,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)	Math 204 Integral Calculus.....	5 (5,0)
AS or MS 201 Drill.....	0 (0,3)	AS or MS 202 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)	AS or MS — Basic.....	1 (2,0)

18

18

JUNIOR YEAR

Chem 321 Qual. Org. Anal.....	4 (2,6)	Chem 312 Gas & Fuel Analysis...3 (1,6)
Chem 331 Physical Chemistry.....	3 (3,0)	Chem 332 Physical Chemistry...3 (3,0)
Chem 333 Physical Chem. Lab...2 (0,6)		Chem 334 Physical Chem. Lab...2 (0,6)
Ger 101 Elementary German.....	3 (3,0)	Ger 102 Elementary German...3 (3,0)
AS or MS 301 Drill.....	0 (0,3)	AS or MS 302 Drill.....0 (0,3)
Approved Electives *.....	8	Approved Electives *.....9

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SENIOR YEAR

First Semester

Chem 401 Inorg. Chemistry.....	3 (3,0)
Chem 411 Adv. Quant. Anal.....	3 (1,6)
Chem 431 Colloid Chemistry.....	2 (2,0)
AS or MS 401 Drill.....	0 (0,3)
Approved Electives *	11

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Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Bact 301 General Bacteriology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)
Chem 441 Glass Manipulation.....	2 (0,6)
Chem 443 Research Problems.....	3 (0,9)
Ger 201 Intermediate German.....	3 (3,0)
Math 305 Inter. Calculus.....	3 (3,0)
Phys 301 Intro. to Mod. Physics.....	3 (3,0)
Phys 441 Magn. and Elect.....	4 (4,0)
Phys 443 Exp. Electricity.....	1 (0,3)

Second Semester

Chem 402 Inorg. Chemistry.....	3 (3,0)
Chem 432 Colloid Chemistry.....	2 (2,0)
Chem 442 Chem. Literature.....	2 (1,3)
AS or MS 402 Drill.....	0 (0,3)
Approved Electives *	12

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Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Chem 444 Research Problems.....	3 (0,9)
Chem 454 Inorganic Synthesis.....	2 (0,6)
Chem 462 Technical Analysis.....	3 (1,6)
Chem 472 Organic Synthesis.....	4 (1,9)
Chem 482 Chem. Thermodynamics.....	3 (3,0)
Geol 306 Mineralogy.....	2 (1,3)
Ger 202 Intermediate German.....	3 (3,0)
Math 306 Ord. Diff. Equations.....	3 (3,0)
Phys 452 Atom. & Nucl. Physics.....	3 (3,0)

SCHOOL OF EDUCATION

The School of Education offers four-year curricula leading to the degree of Bachelor of Science in Education, Industrial Education and Vocational Agricultural Education. Courses are also made available for students of the other schools of the college. By making a proper program of studies it is possible for students to meet the professional requirements in subject matter and in education and to qualify for the teacher's certificate in this State. Students who are planning to teach are advised to plan not only their courses in education, but also their subject matter courses so as to fulfill the State requirements in the state where they plan to teach. Students who are interested are invited to consult the Dean and other members of the Education staff for information.

Practice teaching in several subjects in cooperation with the State Department of Education and school systems constitutes part of the student's training. Students may be required to live in the public school community or provide the necessary travel for at least six weeks.

The School of Education maintains a Teacher Placement Service with which students may register and from which employers may receive assistance. Both students and employers of teachers are invited to use this service.

EDUCATION

While the purpose of the curriculum in Education is to prepare teachers of general high school subjects, emphasis is placed upon

* Electives:

For the degree of B.S. in Chemistry, a student must elect at least 18 hours in History, Government, Public Speaking, Economics, Sociology, Psychology, etc.

the training of teachers in the various fields of science. The offerings of the other departments of the college make possible a wide selection of subject-matter courses in biology, chemistry, mathematics, English, history, civics, and physics. The majority of graduates enter the teaching profession, although some engage in related work such as athletic coaching.

Approval of electives by adviser is based on sequences appropriate to educational plan of the student.

EDUCATION

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 101 General Chemistry	4 (3,3)	Chem 102 General Chemistry	4 (3,3)
DD 101 Freehand Drawing	1 (0,3)	Engl 102 Comp. and Lit.	3 (3,0)
Educ 101 Orientation	1 (1,0)	Gov 101 Am. Nat'l Gov't	3 (3,0)
Engl 101 Comp. and Lit.	3 (3,0)	Hist 102 American History	3 (3,0)
Hist 101 American History	3 (3,0)	Math 104 Freshman Math.	5 (5,0)
Math 103 Freshman Math.	5 (5,0)	AS or MS 102 Drill	0 (0,3)
AS or MS 101 Drill	0 (0,3)	AS or MS - Basic	1 (2,0)
AS or MS - Basic	1 (2,0)		
18		19	

SOPHOMORE YEAR

Bot 101 General Botany	3 (3,0)	Econ 202 Prin. of Economics	3 (3,0)
Bot 103 General Botany Lab.	1 (0,3)	Engl 204 Survey of Engl. Lit.	3 (3,0)
Econ 201 Prin. of Economics	3 (3,0)	Phys 202 General Physics	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)	Phys 204 General Physics Lab.	1 (0,3)
Phys 201 General Physics	3 (3,0)	Zool 101 General Zoology	3 (3,0)
Phys 203 General Physics Lab.	1 (0,3)	Zool 103 Gen. Zool. Lab.	1 (0,3)
AS or MS 201 Drill	0 (0,3)	AS or MS 202 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)	AS or MS - Basic	1 (2,0)
Approved Electives	4	Approved Electives	4
19		19	

JUNIOR YEAR

Bact 301 Gen. Bacteriology	3 (3,0)	Econ 312 Commercial Law	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Educ 302 Educ. Psychology	3 (3,0)
Educ 305 Prin. of Ed.	3 (3,0)	RS 459 The Rural Community	3 (3,0)
Engl 301 Public Speaking	3 (3,0)	Zool 306 Game Management	2 (2,0)
Soc 301 Intro. Sociology	3 (3,0)	AS or MS 302 Drill	0 (0,3)
AS or MS 301 Drill	0 (0,3)	Approved Electives	8
Approved Electives	6		
19		19	

SENIOR YEAR

Econ 301 Labor Problems	3 (3,0)	Arch 409 Art Appreciation	3 (3,0)
Educ 424 Tech. of Teach.	3 (3,0)	Educ 332 Organ. Courses	3 (3,0)
Educ 458 Health Educ.	3 (3,0)	Educ 412 Directed Teaching	6 (1,15)
Gov 302 State and Local Gov.	3 (3,0)	Music 402 Music Appreciation	3 (3,0)
Soc 402 The Family	3 (3,0)	AS or MS 402 Drill	0 (0,3)
AS or MS 401 Drill	0 (0,3)	Approved Elective	8
Approved Electives	4		
19		18	

INDUSTRIAL EDUCATION

The curriculum in Industrial Education is designed to prepare students to teach industrial subjects, industrial arts, drawing,

manual training, and metal work in the high schools and to supervise the teaching of evening trade classes. Graduates become affiliated with high school industrial education departments as teachers, supervisors, and diversified-occupations specialists. Students who plan to teach in industrial communities may choose such electives in textiles, engineering, chemistry or agriculture as they have the background, prerequisites and interests. A few graduates secure employment in industry in special training programs. Itinerant teacher training for foremen and others who teach vocational classes in textile and other industrial plants is offered in various parts of the State. See page 266.

INDUSTRIAL EDUCATION

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 101 General Chemistry.....	4 (3,3)	Chem 102 General Chemistry.....	4 (3,3)
DD 105 Engr. Drawing.....	2 (0,6)	DD 106 Engr. Drawing.....	2 (0,6)
Educ 101 Orientation.....	1 (1,0)	Engl 102 Comp. and Lit.....	3 (3,0)
Engl 101 Comp. and Lit.....	3 (3,0)	Math 104 Freshman Math.....	5 (5,0)
In En 101 Metal Processes.....	2 (0,6)	TM 101 Intro. to Textiles.....	3 (2,3)
Math 103 Freshman Math.....	5 (5,0)	AS or MS 102 Drill.....	0 (0,3)
AS or MS 101 Drill.....	0 (0,3)	AS or MS - Basic.....	1 (2,0)
AS or MS - Basic.....	1 (2,0)		
	18		18

SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.....	3 (3,0)	Bot 101 General Botany.....	3 (3,0)
In En 201 Metal Processes.....	2 (0,6)	Bot 103 General Botany Lab.....	1 (0,3)
In En 205 Constr. Materials.....	2 (2,0)	Econ 201 Prin. of Economics.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Phys 203 General Physics Lab.....	1 (0,3)	In En 202 Wood Processes.....	2 (0,6)
Zool 101 General Zoology.....	3 (3,0)	In En 302 Welding.....	2 (1,3)
Zool 103 General Zoology Lab.....	1 (0,3)	Phys 202 General Physics.....	3 (3,0)
AS or MS 201 Drill.....	0 (0,3)	Phys 204 General Physics Lab.....	1 (0,3)
AS or MS - Basic.....	1 (2,0)	AS or MS 202 Drill.....	0 (0,3)
Approved Elective.....	3	AS or MS - Basic.....	1 (2,0)
	19		19

JUNIOR YEAR

Arch 215 Bldg. Materials.....	2 (2,0)	Arch 216 Building Design.....	2 (2,0)
Educ 305 Prin. of Educ.....	3 (3,0)	Educ 302 Educ. Psychology.....	3 (3,0)
Educ 307 Ind. Educ. Lab.....	2 (0,6)	Educ 308 Ind. Educ. Lab.....	2 (0,6)
EE 303 Elec. Cir. & Machines.....	4 (3,3)	EE 304 Voc. Electricity.....	2 (1,3)
Hist 303 History of Civ.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
In Ar 303 Industrial Arts.....	2 (1,3)	Hist 304 History of Civ.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)	In Ar 304 Industrial Arts.....	2 (1,3)
Approved Elective.....	3	AS or MS 302 Drill.....	0 (0,3)
	19	Approved Elective.....	3
			20

SENIOR YEAR

Arch 409 Art Appreciation.....	3 (3,0)	Arch 408 Industrial Design.....	1 (0,3)
Educ 402 Directed Teaching.....	6 (1,15)	Bact 301 Gen. Bacteriology.....	3 (3,0)
Educ 424 Tech. of Teaching.....	3 (3,0)	Bact 303 Gen. Bact. Lab.....	1 (0,3)
Educ 458 Health Education.....	3 (3,0)	Educ 332 Org. of Courses.....	3 (3,0)
Music 402 Music Appreciation.....	3 (3,0)	Educ 421 Coor. Methods.....	2 (2,0)
AS or MS 401 Drill.....	0 (0,3)	Soc 301 Intro. Sociology.....	3 (3,0)
Approved Elective.....	3	AS or MS 402 Drill.....	0 (0,3)
	21	Approved Elective.....	3
			16

VOCATIONAL AGRICULTURAL EDUCATION

The proportion of graduates of the curriculum in Vocational Agricultural Education who enter the teaching of vocational agriculture in the public schools approaches one hundred per cent; a few, however, enter general and specialized farming and other agricultural occupations. After a few years of teaching experience, a number of graduates advance in the teaching profession or enter related agricultural work such as agricultural extension service, farm credit and rehabilitation work, and special government agencies.

VOCATIONAL AGRICULTURAL EDUCATION

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Agron 101 Farm Crops.....	3 (3,0)	AH 101 Types and Breeds.....	2 (2,0)
Chem 101 General Chemistry.....	4 (3,3)	AH 103 Types and Breeds Lab....	1 (0,3)
Educ 101 Orientation.....	1 (1,0)	Bot 101 General Botany.....	3 (3,0)
Engl 101 Comp. and Lit.....	3 (3,0)	Bot 103 General Botany Lab....	1 (0,3)
Math 101 College Algebra.....	3 (3,0)	Chem 102 General Chemistry.....	4 (3,3)
Zool 101 General Zoology.....	3 (3,0)	Engl 102 Comp. and Lit.....	3 (3,0)
Zool 103 General Zoology Lab....	1 (0,3)	Math 102 Trigonometry.....	3 (3,0)
AS or MS 101 Drill.....	0 (0,3)	AS or MS 102 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)	AS or MS — Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ag Ch 220 Agric. Org. Chemistry..	4 (3,3)	Ag Ec 201 Agric. Economics.....	3 (3,0)
Dairy 201 Dairying.....	3 (2,3)	Ag En 201 Farm Machinery.....	3 (2,3)
Educ 203 Survey of Engl. Lit.....	3 (3,0)	Agron 202 Soils.....	3 (2,3)
Gov 101 Am. Nat'l Gov't.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
Phys 201 General Physics.....	3 (3,0)	Hort 201 Gen. Horticulture.....	3 (2,3)
Phys 203 General Physics Lab....	1 (0,3)	Phys 202 General Physics.....	3 (3,0)
AS or MS 201 Drill.....	0 (0,3)	Phys 204 General Physics Lab....	1 (0,3)
AS or MS — Basic.....	1 (2,0)	AS or MS 202 Drill.....	0 (0,3)
		AS or MS — Basic.....	1 (2,0)

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JUNIOR YEAR

Ag En 301 Soil Conservation.....	3 (2,3)	Ag En 205 Farm Shop.....	3 (2,3)
Agron 301 Fertilizers.....	3 (3,0)	AH 301 Feeds and Feeding.....	3 (3,0)
Educ 301 Intro. to Educ.....	3 (3,0)	Bact 301 General Bacteriology....	3 (3,0)
PH 301 Farm Poultry.....	3 (3,0)	Bact 303 Gen. Bact. Lab.....	1 (0,3)
PH 303 Farm Poultry Lab....	1 (0,3)	Educ 302 Educ. Psychology.....	3 (3,0)
RS 301 Rural Sociology.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)	AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3	Approved Social Studies.....	3

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Suggested Electives:

AS or MS — Advanced.....	3 (4,0)
AH 310 Pork Production.....	2 (2,0)
AH 314 Pork Prod. Lab.....	1 (0,3)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
Hort 305 Plant Propagation.....	3 (2,3)

Suggested Electives:

Ag Ec 460 Agric. Finance.....	3 (3,0)
AS or MS — Advanced.....	3 (4,0)
For 205 Farm Forestry.....	2 (2,0)
For 207 Farm Forestry Lab....	1 (0,3)
Hort 306 Landscape Design.....	3 (2,3)
Hort 308 Landscape Des. Lab....	3 (2,3)

SENIOR YEAR

Arch 409 Art Appreciation.....3 (3,0)	Ag Ec 302 Farm Management....4 (3,3)
Bot 401 Plant Pathology.....2 (2,0)	Educ 404 Directed Teaching....3 (0,9)
Bot 403 Plant Pathology Lab....1 (0,3)	Educ 422 Prob. in Adult Educ..3 (3,0)
Educ 401 Meth. in Ag. Ed....3 (3,0)	Hort 464 Food Preservation....3 (2,3)
Educ 403 Directed Teaching....3 (0,9)	Music 402 Music Appreciation...3 (3,0)
Educ 458 Health Educ. for Tchrs. 3 (3,0)	AS or MS 402 Drill.....0 (0,3)
AS or MS 401 Drill.....0 (0,3)	Approved Elective.....3
Approved Elective.....3	

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Suggested Electives:

Ag Ec 309 Marketing.....3 (2,3)
AS or MS — Advanced.....3 (4,0)
Hort 456 Truck Crops.....3 (2,3)
RS 459 The Rural Community...3 (3,0)
VS 401 Anat. and Physiology....2 (2,0)
VS 403 Vet. Science Lab.....1 (0,3)

Suggested Electives:

Ag Ec 451 Econ. of Cooperation..3 (3,0)
AS or MS — Advanced.....3 (4,0)
Hort 452 Commercial Pomology...3 (2,3)
VS 402 Animal Diseases.....2 (2,0)

SCHOOL OF ENGINEERING

Seven curricula are offered under the School of Engineering including Architecture, Architectural Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. The curricula in Civil, Electrical, and Mechanical Engineering are accredited by the Engineers Council for Professional Development.

While the School of Engineering does not offer specific options or majors under each of these curricula, the training includes many phases of each respective field. Thus, a Civil Engineering student is graduated in Civil Engineering rather than hydraulic engineering, highway engineering, sanitary engineering or other such options, but the curriculum in Civil Engineering includes definite training along these lines. In the same way, the other engineering curricula include thorough training in various phases of the field of specialization without over-emphasizing one phase to the neglect of others.

All engineering consists of the application of the laws of physics, chemistry, and mathematics to the solution of specific problems. Furthermore, any engineer must be able to express his ideas both in words and in drawings. For these two reasons the first two years of all the branches of engineering here listed are substantially the same and deal largely with the fundamentals mentioned above.

An engineer in any branch should understand the methods of fabrication of machine parts and the possibilities and limitations of various methods. For this reason shop courses are included in all engineering curricula. These courses are not manual training in nature and do not deal with the acquisition of specific skills.

In all curricula, over-specialization is carefully avoided by the inclusion of subjects which involve the most direct application of the basic sciences and which serve to develop habits of orderly analysis and logical thinking.

ARCHITECTURE AND ARCHITECTURAL ENGINEERING

The full professional courses in Architecture and Architectural Engineering as given below lead to the Bachelor of Science degree in the respective courses at the end of the fourth year, and to the Bachelor of Architecture degree at the end of the fifth year. The two courses are the same in the freshman and sophomore years. Those students interested in architectural design continue in the course in Architecture and those interested in construction pursue the course in Architectural Engineering.

The courses are broad in scope, fitting the graduate not only for the practice of architecture, but for a number of allied professions. All work is individual and every effort is made to develop the students' individuality, imagination and creative ability. Skillful draftsmanship and artistic presentation are insisted upon.

The South Carolina State Board of Architectural Examiners accepts the diploma of this department as equivalent to two years' work in a practicing architect's office, otherwise required. The department is a member of the Association of Collegiate Schools of Architecture.

As Architecture is one of the fine arts much time is given to freehand drawing, color work, history of architecture, painting and sculpture. Architectural design and building construction are the two major subjects and greatest attention is paid to them throughout the entire course. The two courses parallel each other and insofar as feasible are integrated one with the other. In these the student is given a written program of requirements of a building or group of buildings and under the criticism of the instructor creates a design embodying his own ideas.

Fundamental courses are given in mathematics, graphic statics, strength of materials, reinforced concrete, steel, building materials and details, and in working drawings which consist of complete plans and specifications for a building prepared as in the office of the practicing architect.

The architectural library adjoining the drafting rooms is a working library with many volumes concerning architecture and

allied subjects, photographic plans and illustrations, lantern slides, drawings, models and files of the leading architectural magazines, both American and foreign. Books of this type purchased by the main College library are deposited in the architectural library. In the structural drafting room is a complete built-in exhibit of building materials and appliances especially arranged for instructional purposes.

Each spring students are expected to take an educational trip to a large city to study examples of architecture and construction.

Six weeks of practical architectural work approved by the architectural faculty are required for graduation.

ARCHITECTURE

FRESHMAN YEAR

First Semester

Arch 101	Elements of Design	3	(0,9)
Arch 105	Freehand Present.	2	(0,6)
Chem 101	General Chemistry	4	(3,3)
Engl 101	Comp. and Lit.	3	(3,0)
Math 103	Freshman Math.	5	(5,0)
AS or MS	101 Drill	0	(0,3)
AS or MS	— Basic	1	(2,0)

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Second Semester

Arch 102	Arch. Design	3	(0,9)
Arch 106	Freehand Represent.	2	(0,6)
Chem 102	General Chemistry	4	(3,3)
Engl 102	Comp. and Lit.	3	(3,0)
Math 104	Freshman Math.	5	(5,0)
AS or MS	102 Drill	0	(0,3)
AS or MS	— Basic	1	(2,0)

18

SOPHOMORE YEAR

Arch 201	Arch. Design	4	(0,12)
Arch 207	Delineation	1	(0,3)
Arch 215	Building Materials	2	(2,0)
Engl 203	Survey of Engl. Lit.	3	(3,0)
Math 203	Diff. Calculus	5	(5,0)
Phys 201	General Physics	3	(3,0)
Phys 203	General Physics Lab.	1	(0,3)
AS or MS	201 Drill	0	(0,3)
AS or MS	— Basic	1	(2,0)

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Arch 202	Arch. Design	4	(0,12)
Arch 208	Delineation	1	(0,3)
Arch 216	Building Design	2	(2,0)
Engl 204	Survey of Engl. Lit.	3	(3,0)
Math 204	Integral Calculus	5	(5,0)
Phys 202	General Physics	3	(3,0)
Phys 204	General Physics Lab.	1	(0,3)
AS or MS	202 Drill	0	(0,3)
AS or MS	— Basic	1	(2,0)

20

JUNIOR YEAR

Arch 301	Arch. Design	5	(0,15)
Arch 307	Elem. Water Color	1	(0,3)
Arch 309	Hist. of Arch.	3	(3,0)
Arch 317	Working Drawings	2	(1,3)
Mech 302	Statics	3	(3,0)
Mech 306	Graphic Statics	1	(0,3)
AS or MS	301 Drill	0	(0,3)
Approved	Elective	3	

18

Arch 302	Arch. Design	5	(0,15)
Arch 308	Adv. Water Color	1	(0,3)
Arch 310	Hist. of Arch.	3	(3,0)
Arch 318	Working Drawings	1	(0,3)
CE 312	Structural Design	3	(1,6)
Mech 304	Mech. of Matr.	3	(3,0)
AS or MS	302 Drill	0	(0,3)
Approved	Elective	3	

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SENIOR YEAR

Arch 401	Arch. Design	6	(0,18)
Arch 415	Building Design	2	(2,0)
Arch 417	Working Drawings	2	(0,6)
Arch 421	Mech. Plant	1	(0,3)
CE 409	Reinf. Concrete	4	(3,3)
AS or MS	401 Drill	0	(0,3)
Approved	Elective	3	

18

Arch 402	Arch. Design	6	(0,18)
Arch 411	Hist. of Arch.	2	(2,0)
Arch 416	Specs. & Prof. Prac.	2	(2,0)
Arch 418	Construction	2	(1,3)
Arch 422	Mech. Plant	1	(0,3)
Engl 301	Public Speaking	3	(3,0)
AS or MS	402 Drill	0	(0,3)
Approved	Elective	3	

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FIFTH YEAR

First Semester

Arch 431 Arch. Des. & City Plan.	7 (0,21)
Arch 439 Hist. of Arch.	3 (3,0)
Arch 445 Construction	1 (0,3)
CE 319 Gen. Photogrammetry	3 (2,3)
Approved Electives	6

20

Second Semester

Arch 432 Arch. Design	7 (0,21)
Arch 440 Hist. of Arch.	3 (3,0)
Arch 446 Construction	1 (0,3)
Arch 452 Thesis	3 (3,0)
CE 421 Contracts	2 (2,0)
Approved Elective	3

19

Four-year course leads to the degree of Bachelor of Science in Architecture.

Five-year course leads to the degree of Bachelor of Architecture.

ARCHITECTURAL ENGINEERING

FRESHMAN YEAR

First Semester

Arch 101 Elements of Design	3 (0,9)
Arch 105 Freehand Present.	2 (0,6)
Chem 101 General Chemistry	4 (3,3)
Engl 101 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
AS or MS 101 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

18

Second Semester

Arch 102 Arch Design	3 (0,9)
Arch 106 Freehand Represent.	2 (0,6)
Chem. 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
AS or MS 102 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

18

SOPHOMORE YEAR

Arch 201 Arch. Design	4 (0,12)
Arch 207 Delineation	1 (0,3)
Arch 215 Building Materials	2 (2,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 201 General Physics	3 (3,0)
Phys 203 General Physics Lab.	1 (0,3)
AS or MS 201 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

20

Arch 202 Arch. Design	4 (0,12)
Arch 208 Delineation	1 (0,3)
Arch 216 Building Design	2 (2,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 202 General Physics	3 (3,0)
Phys 204 General Physics Lab.	1 (0,3)
AS or MS 202 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)

20

JUNIOR YEAR

Arch 309 Hist. of Arch.	3 (3,0)
Arch 317 Working Drawings	2 (0,3)
Arch 421 Mech. Plant.	1 (0,3)
CE 101 Elementary Surveying	2 (1,3)
Engl 301 Public Speaking	3 (3,0)
Mech 302 Statics	3 (3,0)
Mech 306 Graphic Statics	1 (0,3)
AS or MS 301 Drill	0 (0,3)
Approved Elective	3

18

Arch 310 Hist. of Arch.	3 (3,0)
Arch 318 Working Drawings	1 (0,3)
Arch 422 Mech. Plant.	1 (0,3)
CE 309 Stress Analysis	1 (0,6)
Econ 312 Commercial Law	3 (3,0)
In En 101 Metal Processes	2 (0,6)
Mech 304 Mech. of Matr.	3 (3,0)
AS or MS 302 Drill	0 (0,3)
Approved Elective	3

18

SENIOR YEAR

Arch 416 Spec. & Prof. Prac.	2 (2,0)
Arch 425 Building Design	2 (2,0)
Arch 427 Working Drawings	4 (1,9)
CE 310 Elementary Design	2 (0,6)
CE 409 Reinf. Conc.	4 (3,3)
AS or MS 401 Drill	0 (0,3)
Technical Elective	2
Approved Elective	3

19

Arch 428 Working Drawings	3 (0,9)
CE 434 Constr. Costs, etc.	3 (2,3)
CE 414 Soil Mechanics	3 (2,3)
Social Science Course*	3 (3,0)
AS or MS 402 Drill	0 (0,3)
Technical Electives	4
Approved Elective	3

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* Social Science Course to be selected from Econ 201, Gov 301, Psych 301 or Psych 302.

Technical Electives:

Arch 408 Industrial Design.....	1	(0,3)
CE 101 Elementary Surveying.....	2	(1,3)
CE 420 Concrete Mixes.....	1	(0,3)
CE 421 Contracts.....	2	(2,0)
CE 432 Construction Practices.....	2	(2,0)
CE 434 Constr. Costs and Est.....	3	(2,3)
EE 303 Elect. Circ. and Mach.....	4	(3,3)
Hort 306 Landscape Design.....	3	(2,3)
Hort 308 Landsc. Design Lab.....	3	(2,3)
ME 302 Mech. Engr.....	3	(3,0)
ME 304 Mech. Engr. Lab.....	1	(0,3)
Phys 301 Intro. to Mod. Physics.....	3	(3,0)
Phys 303 Exp. in Mod. Physics.....	1	(0,3)

General Electives:

AS or MS — Advanced.....	3	(4,0)
Arch 409 Art Appreciation.....	3	(3,0)
Arch 411 Hist. of Arch.....	2	(2,0)
Arch 412 Hist. of Art.....	3	(3,0)
Econ 201 Prin. of Economics.....	3	(3,0)
Econ 202 Prin. of Economics.....	3	(3,0)
Econ 301 Labor Problems.....	3	(3,0)
Econ 302 Money and Banking.....	3	(3,0)
Econ 401 Accounting.....	3	(3,0)
Elective English.....	3	(3,0)
Gov 302 State and Local Gov.....	3	(3,0)
Gov 403 International Relations.....	3	(3,0)
Hist 303 Hist. of Civ.....	3	(3,0)
Hist 304 Hist. of Civ.....	3	(3,0)
Psych 301 General Psychology.....	3	(3,0)
Psych 302 Social Psychology.....	3	(3,0)
Soc 301 Intro. Sociology.....	3	(3,0)

CERAMIC ENGINEERING

The ceramic industries have as their raw materials the non-metallic minerals other than fuels. These minerals constitute over 90 per cent of the earth's crust while the industries dependent on them comprise almost one-third the entire field of industrial activity. Ceramic industries produce products in eight major classifications: structural clay products; glass; pottery; refractories abrasives; cements; limes and plaster; enameled metals; thermal and electrical insulation.

South Carolina possesses a wide variety of ceramic minerals which rank with the forests as the richest natural resources in the State. The presence of kaolin, silica, limestone, shale, kyanite, pyrophyllite, sericite, topaz, feldspar, vermiculite, sillimanite, talc, corundum, mica, spodumene, monazite, diatomaceous, earth and fuller's earth make it possible for South Carolina to contribute raw materials to every major classification of the ceramic industries. The Portland Cement, glass, sewer pipe, brick flower pot, thermal insulation, refractory and pottery industries of the State indicate the diversity of ceramic industries which South Carolina is capable of supporting.

The ceramic industrial growth of South Carolina has been retarded by the absence of persons with a knowledge of ceramic manufacturing processes. The ceramic industries of today are no longer small colorful enterprises which can be operated by persons of dubious skill. Instead they are large manufacturing plants requiring trained engineers for their supervision. The growth of South Carolina's ceramic industries is dependent on the availability of trained engineers capable of incorporating and operating the modern techniques and equipment of the ceramic industries.

The demand for ceramic engineers has not been satisfied by American colleges for many years including the years of the last depression. The curriculum in Ceramic Engineering is offered with the aim of partially supplying the demand for ceramic engineers in this region and providing trained engineers for the development of the latent resources of South Carolina.

The curriculum in Ceramic Engineering leads to the degree of Bachelor of Ceramic Engineering. The course is based on a thorough study of the sciences of chemistry, physics and mathematics. Advanced courses are designed to apply these fundamental sciences to Ceramic Engineering. A knowledge is required of the fundamentals of civil, electrical, and mechanical engineering. Extensive work is required in mechanical drawing. The need for a knowledge of the identification and occurrence of the numerous ceramic raw materials is satisfied with courses in geology, mineralogy and petrography. In the Ceramic Engineering courses, emphasis is placed on the processes of manufacture common to all the ceramic industries while the more advanced courses are concerned with the characteristics peculiar to specific classifications of the ceramic industries. The course in plant design offered in the senior year requires the application of principles acquired in previous courses. The Ceramic Engineering student may choose certain elective courses from the humanistic and social subjects.

An excellent ceramic laboratory has been equipped to demonstrate all the processes of ceramic manufacturing, including beneficiation of ores and clays, grinding and crushing materials, mixing and blending raw materials, forming the materials into various shapes, and drying and firing the prepared objects. Equipment for the control of industrial processes is studied and tests are made to determine the quality of various ceramic products. Well-equipped laboratories are available for research on raw materials and problems of ceramic industries in South Carolina.

Ceramic Engineering graduates find employment as plant executives, research engineers, plant-control engineers, sales engineers, product control engineers, plant designers and constructors, equipment manufacturers, consulting engineers, and ceramic chemists and technologists.

CERAMIC ENGINEERING

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry.....	4 (3,3)
DD 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or CE 101 Elem. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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Second Semester

Chem 104 General Chemistry.....	4 (3,3)
CE 101 Elem. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
DD 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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SOPHOMORE YEAR

Cr En 201 Intro. to Cr. Engr.....	2 (2,0)
Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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Cr En 202 Ceramic Materials.....	3 (3,0)
Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 General Physics Lab.....	1 (0,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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JUNIOR YEAR

Cr En 301 Drying and Firing.....	4 (3,3)
Cr En 305 Silicates.....	5 (3,6)
ME 305 Heat Power.....	3 (3,0)
ME 309 Mechanical Lab.....	1 (0,3)
Mech 302 Statics.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)
Approved Elective.....	3

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Chem 336 Physical Chemistry.....	5 (5,0)
Geol 306 Mineralogy.....	2 (1,3)
Geol 406 Engr. Geology.....	3 (3,0)
ME 306 Heat Power.....	3 (3,0)
ME 310 Mechanical Lab.....	1 (0,3)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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SENIOR YEAR

Cr En 403 Whitewares & Glazes.....	3 (3,0)
Cr En 405 Plant Design.....	2 (0,6)
EE 303 Elec. Circ. and Mach.....	4 (3,3)
Geol 302 Optical Mineralogy.....	4 (3,3)
Mech 303 Kinetics.....	3 (3,0)
AS or MS 401 Drill.....	0 (0,3)
Approved Elective.....	3

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Cr En 402 Refractories.....	3 (3,0)
Cr En 406 Ceramic Project.....	2 (0,6)
Cr En 408 Plant Design.....	2 (0,6)
Engl 301 Public Speaking.....	3 (3,0)
Mech 304 Mech. of Matr.....	3 (3,0)
Mech 305 Mech. of Matr. Lab.....	1 (0,3)
AS or MS 402 Drill.....	0 (0,3)
Technical Elective.....	3 (3,0)
Approved Elective.....	3

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Technical Electives:

Cr En 404 Enamels.....	3 (3,0)
Cr En 410 Glass.....	3 (3,0)
Cr En 412 Raw Material Prep.....	3 (3,0)
Cr En 416 Cement, Lime & Plaster.....	3 (3,0)
Cr En 418 Process Control.....	3 (1,6)

CHEMICAL ENGINEERING

The curriculum in Chemical Engineering is designed to give a sound training in Chemical Engineering for those who wish to enter the process industries. In addition to the direct work in Unit Operations and Unit Processes, a solid background of chemistry, mathematics, physics, and general engineering is provided. The ever-changing and increasingly complex chemical industry demands a well-trained, adaptive personnel. The rule-of-thumb

methods of the turn of the century are no longer adequate for the chemical engineer's principal tasks, design and operation of process plants and converting the discoveries of the research laboratory into industrial reality.

Chemical Engineering graduates are principally employed in direct manufacturing, research and development work, technical service, and in the sales divisions of chemical and allied industrial organizations.

CHEMICAL ENGINEERING

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 103 General Chemistry....	4 (3,3)	Chem 104 General Chemistry....	4 (3,3)
DD 105 Engr. Drawing.....	2 (0,6)	CE 101 Elem. Surveying.....	2 (1,3)
Engl 101 Comp. and Lit.....	3 (3,0)	or In En 101 Metal Processes..	2 (0,6)
In En 101 Metal Processes.....	2 (0,6)	DD 106 Engr. Drawing.....	2 (0,6)
or CE 101 Elem. Surveying..	2 (1,3)	Engl 102 Comp. and Lit.....	3 (3,0)
Math 103 Freshman Math.....	5 (5,0)	Math 104 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)	AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)	AS or MS - Basic.....	1 (2,0)

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SOPHOMORE YEAR

Ch En 202 Intro. Chem. Engr....	2 (2,0)	Chem 216 Quan. Analysis.....	4 (2,6)
Chem 215 Qual. Analysis.....	4 (2,6)	Engl 204 Survey of Engl. Lit....	3 (3,0)
Engl 203 Survey of Engl. Lit....	3 (3,0)	Math 204 Integral Calculus.....	5 (5,0)
Math 203 Diff. Calculus.....	5 (5,0)	Mech 302 Statics.....	3 (3,0)
Phys 211 G. Phys. for Engr....	4 (4,0)	Phys 212 G. Phys. for Engr....	4 (4,0)
Phys 213 General Physics Lab..	1 (0,3)	Phys 214 General Phys. Lab....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)	AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)	AS or MS - Basic.....	1 (2,0)

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JUNIOR YEAR

Ch En 301 Prin. Chem. Engr....	3 (3,0)	Ch En 302 Prin. Chem. Engr....	3 (3,0)
Ch En 305 Unit Operations.....	1 (0,3)	Ch En 306 Unit Operations.....	1 (0,3)
Chem 221 Organic Chemistry....	5 (3,6)	Chem 222 Organic Chemistry....	5 (3,6)
Chem 331 Physical Chemistry....	3 (3,0)	Chem 332 Physical Chemistry....	3 (3,0)
Chem 333 Phys. Chem. Lab.....	2 (0,6)	Chem 334 Phys. Chem. Lab.....	2 (0,6)
Mech 304 Mech. of Matr.....	3 (3,0)	ME 305 Heat Power.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)	AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3	Approved Elective.....	3

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SENIOR YEAR

Ch En 401 Prin. Chem. Engr....	3 (3,0)	Ch En 404 Chem. Industries....	3 (3,0)
Ch En 403 Chem. Industries....	3 (3,0)	Ch En 406 Ind. Chem. Calc....	2 (2,0)
Ch En 405 Unit Operations.....	1 (0,3)	Ch En 412 Thesis.....	3 (0,9)
Ch En 409 Plant Design.....	2 (0,6)	Ch En 416 Seminar.....	1 (1,0)
EE 303 Elect. Circ. and Mach....	4 (3,3)	Ch En 430 Chem. Engr. Thermo..	3 (3,0)
ME 307 Mech. Engr. Lab.....	1 (0,3)	In En 402 Metallurgy.....	3 (2,3)
AS or MS 401 Drill.....	0 (0,3)	AS or MS 402 Drill.....	0 (0,3)
Approved Elective.....	3	Approved Elective.....	3

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Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Chem 431 Colloid Chemistry....	2 (2,0)
Econ 201 Prin. of Economics....	3 (3,0)
Econ 301 Labor Problems.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)
Elective English.....	3 (3,0)
Hist 303 Hist. of Civ.....	3 (3,0)
Modern Language.....	3 (3,0)
Phys 301 Int. to Mod. Physics....	3 (3,0)
Phys 303 Exp. in Mod. Physics....	1 (0,3)
Psych 301 General Psychology....	3 (3,0)

Suggested Electives:

AS or MS - Advanced.....	3 (4,0)
Chem 432 Colloid Chemistry....	2 (2,0)
Econ 202 Prin. of Economics....	3 (3,0)
Econ 302 Money and Banking....	3 (3,0)
Elective English.....	3 (3,0)
Gov 43 International Relations..	2 (2,0)
Hist 304 Hist. of Civ.....	3 (3,0)
Modern Language.....	3 (3,0)
Phys 452 Atom and Nucl. Ph.....	3 (3,0)
Psych 302 Social Psychology....	3 (3,0)
Soc. 301 Intro. Sociology.....	3 (3,0)

CIVIL ENGINEERING

Civil engineering is the broadest in scope of the engineering professions, being the parent stem from which most of the other branches of engineering have developed. All branches of civil engineering rest on a comparatively compact body of principles, in which the students are thoroughly trained in the classroom, the drafting room, the laboratory, and the field. Particular effort is made to develop those qualities essential to success in any field of endeavor and to fit the graduate to become a useful citizen—a good business man as well as a successful engineer.

The course in Civil Engineering leads to the degree of Bachelor of Civil Engineering. It is planned to equip the student with a working knowledge of those subjects which are fundamental in the field of civil engineering.

The curriculum for the first three years is the same for all civil engineering students. In his senior year each student may make limited selection of technical electives in order to major in a General, Construction, or Sanitary option. However, each option requires specific and related courses so chosen as to round out the student's education in fundamentals and to qualify him to enter any branch of civil engineering which he chooses or in which he may find employment. The civil engineering graduate is prepared to work in practically all of the civil engineering fields, including surveying and mapping, design and construction of bridges, buildings, railways, highways, hydraulic, municipal and sanitary works.

A summer surveying camp is held on the campus during the regular summer school session and all civil engineering students are required to attend at the end of their sophomore year. All surveying courses with the exception of CE 101, Elementary Surveying, are given during this camp.

In addition to the required technical studies, broadening training in the field of humanities is given.

CIVIL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
DD 105 Engineering Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or CE 101 Elem. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
CE 101 Elem. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
DD 106 Engineering Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
AS or MS 102 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

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SOPHOMORE YEAR

CE 205 C. E. Problems.....	2 (1,3)
Econ 201 Prin. of Economics.....	3 (3,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 Gen. Phys. for Engr.....	4 (4,0)
Phys 213 General Physics Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

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Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Int. Calculus.....	5 (5,0)
Mech 302 Statics.....	3 (3,0)
Mech 306 Graphic Statics.....	1 (0,3)
Phys 212 Gen. Phys. for Engr.....	4 (4,0)
Phys 214 General Physics Lab.....	1 (0,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS — Basic.....	1 (2,0)

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SUMMER SURVEY CAMP

CE 301 Surveying.....	4(0,12)
CE 305 Route Surveying.....	3 (2,3)

JUNIOR YEAR

CE 307 Roads and Pavements.....	4 (3,3)
CE 309 Stress Analysis.....	2 (0,6)
CE 317 Materials of Constr.....	3 (3,0)
EE 303 Elect. Cir. and Mach.....	4 (3,3)
Mech 304 Mech. of Mtr.....	3 (3,0)
Mech 305 Mech. of Matr. Lab.....	1 (0,3)
AS or MS 301 Drill.....	0 (0,3)
Approved Elective.....	3

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CE 310 Elem. Design.....	2 (0,6)
Engl 301 Public Speaking.....	3 (3,0)
Geol 406 Engr. Geology.....	3 (3,0)
ME 302 Mech. Engr.....	3 (3,0)
ME 307 Mech. Engr. Lab.....	1 (0,3)
Mech 401 Fluid Mech.....	3 (3,0)
Mech 403 Fluid Mech. Lab.....	1 (0,3)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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SENIOR YEAR

CE 401 Structural Design.....	3 (2,3)
CE 409 Reinforced Concrete.....	4 (3,3)
CE 421 Contracts.....	2 (2,0)
AS or MS 401 Drill.....	0 (0,3)
Approved Elective.....	3
Technical Electives.....	5

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CE 410 Sanitary Engr.....	4 (3,3)
CE 414 Soil Mech.....	3 (2,3)
AS or MS 402 Drill.....	0 (0,3)
Approved Elective.....	3
Technical Electives.....	6

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CONSTRUCTION OPTION

Those students selecting the construction option will elect the following courses in their senior year as their technical electives:

Arch 318 Working Drawings.....	1 (0,3)
Econ 401 Accounting.....	3 (3,0)
CE 420 Concrete Mixes.....	1 (0,3)
CE 432 Construction Practices.....	2 (2,0)
CE 434 Const. Costs and Estimates	3 (2,3)

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SANITARY OPTION

Those students selecting the sanitary option will elect the following courses in their senior year as their technical electives:

CE 411 Environmental Sanitation	3 (3,0)
CE 417 City Planning.....	2 (2,0)
Bact 406, 408 Sanitary Bact.....	4 (3,3)
Ch En 422 Ind. Waste Treatment	2 (2,0)

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GENERAL OPTION

Technical Electives: Those students selecting the general option will elect CE 402, Structural Analysis-2 (2,0) and CE 420, Concrete Mixes-1 (0,3) and a minimum of eight credits in their senior year from the following courses:

Arch 318 Working Drawings.....	1 (0,3)	CE 432 Construction Practices....	2 (2,0)
CE 319 Gen. Photogrammetry.....	3 (2,3)	CE 434 Constr. Costs & Est.....	3 (2,3)
CE 411 Environ. Sanitation.....	3 (3,0)	CE 452 Adv. Struct. Analysis....	2 (2,0)
CE 412 Reinf. Conc. Design.....	2 (0,6)	Econ 401 Accounting.....	3 (3,0)
CE 417 City Planning.....	2 (2,0)		

Other Suggested Electives: The following courses may be elected in addition to, but not in substitution for the technical electives listed above:

AS or MS - Advanced.....	3 (4,0)	Math 303 Statistics.....	3 (3,0)
Arch 409 Art Appreciation.....	3 (3,0)	Math 305 Intermed. Calculus....	3 (3,0)
Arch 416 Specs. & Prof. Prac.....	2 (2,0)	Math 306 Ord. Diff. Equations...	3 (3,0)
Arch 421 Mech. Plant.....	1 (0,3)	Mech 303 Kinetics.....	3 (3,0)
Arch 422 Mech. Plant.....	1 (0,3)	Mech 460 Hydrology.....	3 (3,0)
Cz En 202 Ceramic Materials.....	3 (3,0)	ME 437 Centrifugal Mach.....	3 (3,0)
Econ 202 Prin. of Economics.....	3 (3,0)	Psych 301 Gen. Psychology.....	3 (3,0)
Econ 301 Labor Problems.....	3 (3,0)	Phys 301 Intro. to Mod. Phys....	3 (3,0)
Geog 302 Geopolitics.....	3 (3,0)	Phys 303 Exp. in Mod. Phys....	1 (0,3)
Gov 403 Internat'l Relations.....	3 (3,0)	Phys 304 Descript. Astronomy....	3 (3,0)
Hist 406 Hist. of Mfg. in U. S....	3 (3,0)	Phys 308 Sound & Acoustics....	3 (3,0)
In En 302 Welding.....	2 (1,3)	Rel 401 Intro. to Philosophy.....	3 (3,0)

ELECTRICAL ENGINEERING

Engineering deals fundamentally with the control of the energies of nature. Electrical Engineering is that branch of engineering which embraces the conversion of primary energy into electrical form, the transmission and the application of this energy to innumerable devices designed for human service. Some of the more notable applications are domestic appliances, illumination, transportation, communication, and industry motorization.

The curriculum for students in Electrical Engineering contains a selected series of fundamental studies which enable the student to enter any division of the field of Electrical Engineering. In addition the curriculum includes a selected group of broadening and cultural studies.

The first two years are devoted largely to basic sciences and other subjects prerequisite to the general field of engineering. The work of the last two years is more specialized and embraces required and elective courses which are pertinent to the two major fields, Power Engineering and Communication Engineering.

The theoretical courses in science and engineering are paralleled and reinforced by strong laboratory courses through which the student may make his own determinations of the characteristics of engineering materials and machines and other electrical devices. The laboratories are well equipped for this work.

The entire course is directed toward the development of initiative and self-reliance, so that the student may enter his chosen field with reasonable hope of usefulness and success.

ELECTRICAL ENGINEERING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry.....	4 (3,3)
DD 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or CE 101 Elem. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	5 (5,0)
AS or MS 101 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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Second Semester

Chem 102 General Chemistry.....	4 (3,3)
CE 101 Elem. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
DD 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
AS or MS 102 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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SOPHOMORE YEAR

EE 211 Electric Circuits.....	3 (3,0)
Econ 201 Prin. of Economics.....	3 (3,0)
or In En 201 Metal Processes.....	2 (0,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
AS or MS 201 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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EE 212 Electric Fields.....	3 (2,3)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
In En 201 Metal Processes.....	2 (0,6)
or Econ 201 Prin. of Econ.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 216 G. Phys. for El. Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
AS or MS 202 Drill.....	0 (0,3)
AS or MS - Basic.....	1 (2,0)

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JUNIOR YEAR

EE 311 D. C. Machinery.....	4 (3,3)
EE 315 A. C. Circuits.....	3 (3,0)
Engl 301 Public Speaking.....	3 (3,0)
ME 305 Heat Power.....	3 (3,0)
ME 309 Mechanical Lab.....	1 (0,3)
Mech 302 Statics.....	3 (3,0)
AS or MS 301 Drill.....	0 (0,3)
Approved Elective.....	3

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EE 316 A. C. Circuits.....	4 (3,3)
EE 320 Electronics.....	4 (3,3)
ME 306 Heat Power.....	3 (3,0)
ME 310 Mechanical Lab.....	1 (0,3)
Mech 303 Kinetics.....	3 (3,0)
AS or MS 302 Drill.....	0 (0,3)
Approved Elective.....	3

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SENIOR YEAR

EE 411 A. C. Machinery.....	5 (3,6)
EE 415 Advanced Circuits.....	3 (3,0)
Hist 301 U. S. since 1865.....	3 (3,0)
AS or MS 401 Drill.....	0 (0,3)
Technical Electives.....	5
Approved Elective.....	3

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EE 412 A. C. Machinery.....	4 (3,3)
ME 420 Administration.....	3 (3,0)
Mech 304 Mech. of Matr.....	3 (3,0)
AS or MS 402 Drill.....	0 (0,3)
Technical Electives.....	7
Approved Elective.....	3

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Suggested Technical Electives:

EE 405 Electrical Design.....	1 (0,3)
EE 406 Electrical Design.....	1 (0,3)
EE 422 Elect. Distribution.....	2 (2,0)
EE 425 Elect. Transients.....	3 (2,3)
EE 427 Adv. A. C. Mach.....	3 (3,0)
EE 431 Radio Communication.....	4 (3,3)
EE 432 Radio Communication.....	4 (3,3)
EE 434 Indus. Electronics.....	3 (2,3)
EE 436 Rad. & Wave Prop.....	3 (2,3)
Math 306 Ord. Diff. Equations.....	3 (3,0)
ME 411 Heat Power.....	3 (3,0)
ME 413 Heat Power Lab.....	2 (0,6)
ME 426 Steam Turbines.....	3 (3,0)
Mech 401 Fluid Mechanics.....	3 (3,0)
Mech 403 Fluid Mech. Lab.....	1 (0,3)

Suggested General Electives:

AS or MS - Advanced.....	3 (4,0)
Econ 202 Prin. of Economics.....	3 (3,0)
Econ 301 Labor Problems.....	3 (3,0)
Econ 302 Money and Banking.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)
Elective English.....	3 (3,0)
Gov 403 Internat'l Relations.....	3 (3,0)
Hist 303 Hist. of Civ.....	3 (3,0)
Hist 304 Hist. of Civ.....	3 (3,0)
Phys 301 Intro. to Mod. Phys.....	3 (3,0)
Phys 303 Exp. in Mod. Phys.....	1 (0,3)
Psych 301 Gen. Psychology.....	3 (3,0)
Psych 302 Social Psychology.....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)

MECHANICAL ENGINEERING

Mechanical Engineering deals largely with the production of power from prime sources of energy and the design of the wide

variety of mechanisms involved in the production and use of this power and, therefore, necessitates a study of thermodynamics, mechanics, strength of materials, metallurgy, and hydraulics.

The economic aspects of all engineering are emphasized as much as possible and the program is conducted so as to encourage orderly habits of attack and analysis with the main emphasis on why rather than how.

Mechanical Engineering graduates work with the production of power from fuel and water, with the construction and operation of machines used in manufacturing, and with the operation of power industries and manufacturing plants. In addition to the power companies and large electric and manufacturing concerns where many graduates are employed, opportunities are numerous in the automotive, aeronautical, railroad, air-conditioning and refrigeration industries. The vast power developments and manufacturing uses of power promise even greater opportunities for mechanical engineers.

MECHANICAL ENGINEERING

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chem 101 General Chemistry	4 (3,3)	Chem 102 General Chemistry	4 (3,3)
DD 105 Engr. Drawing	2 (0,6)	CE 101 Elem. Surveying	2 (1,3)
Engr 101 Comp. and Lit.	3 (3,0)	or In En 101 Metal Processes	2 (0,6)
In En 101 Metal Processes	2 (0,6)	DD 106 Engr. Drawing	2 (0,6)
or CE 101 Elem. Surveying	2 (1,3)	Engr 102 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math	5 (5,0)	Math 104 Freshman Math	5 (5,0)
AS or MS 101 Drill	0 (0,3)	AS or MS 102 Drill	0 (0,3)
AS or MS - Basic	1 (2,0)	AS or MS - Basic	1 (2,0)
	17		17

SOPHOMORE YEAR

Engr 203 Survey of Engr. Lit.	3 (3,0)	Engr 204 Survey of Engr. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)	In En 202 Wood Processes	2 (0,6)
or In En 202 Wood Proc.	2 (0,6)	or In En 201 Metal Processes	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)	Math 204 Integral Calculus	5 (5,0)
ME 211 Mech. Engr.	2 (2,0)	Mech 302 Statics	3 (3,0)
ME 213 Engr. Problems	1 (0,3)	Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 211 G. Phys. for Engr.	4 (4,0)	Phys 214 Gen. Phys. Lab.	1 (0,3)
Phys 213 Gen. Phys. Lab.	1 (0,3)	AS or MS 202 Drill	0 (0,3)
AS or MS 201 Drill	0 (0,3)	AS or MS - Basic	1 (2,0)
AS or MS - Basic	1 (2,0)		19
	19		

JUNIOR YEAR

DD 305 Kinematics of Mach.	2 (1,3)	DD 306 Machine Design	2 (1,3)
Econ 201 Prin. of Economics	3 (3,0)	EE 308 A. C. Cir. & Mach.	4 (3,3)
EE 307 D. C. Cir. & Mach.	4 (3,3)	Engr 301 Public Speaking	3 (3,0)
ME 311 Heat Power	3 (3,0)	ME 312 Heat Power	3 (3,0)
ME 313 Heat Power Lab.	1 (0,3)	ME 314 Heat Power Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)	Mech 304 Mech. of Matr.	3 (3,0)
AS or MS 301 Drill	0 (0,3)	AS or MS 302 Drill	0 (0,3)
Approved Elective	3	Approved Elective	3
	19		19

SENIOR YEAR

First Semester

Hist 301 U. S. since 1865.....	3 (3,0)
ME 411 Heat Power.....	3 (3,0)
ME 413 Heat Power Lab.....	2 (0,6)
Mech 401 Fluid Mechanics.....	3 (3,0)
Mech 403 Fluid Mech. Lab.....	1 (0,3)
AS or MS 401 Drill.....	0 (0,3)
Technical Electives*.....	5
Approved Elective.....	3

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Technical Electives:	
CE 309 Stress Analysis.....	2 (0,6)
ME 417 Design.....	2 (1,3)
ME 421 Gas Engines.....	3 (3,0)
ME 423 Gas Engine Design.....	1 (0,3)
ME 429 Heating and Vent.....	2 (2,0)
ME 431 Heat. & Vent. Des.....	1 (0,3)
ME 433 Elem. Aerodynamics.....	2 (2,0)
Mech 460 Hydrology.....	3 (3,0)
Mech 462 Water Power Engr.....	3 (3,0)
General Electives:	
AS or MS — Advanced.....	3 (4,0)
Econ 301 Labor Problems.....	3 (3,0)
Econ 401 Accounting.....	3 (3,0)
Hist 303 Hist. of Civ.....	3 (3,0)
Math 305 Intermediate Calc.....	3 (3,0)
Math 453 Advanced Calculus.....	3 (3,0)
Phys 301 Intro. to Mod. Phys.....	3 (3,0)
Phys 303 Exp. in Mod. Phys.....	1 (0,3)
Psych 301 Gen. Psychology.....	3 (3,0)
TM 401 Textile Costing.....	5 (3,6)
TM 403 Textile Management.....	3 (3,0)
TM 454 Time Study.....	3 (2,3)

Second Semester

In En 402 Metallurgy.....	3 (2,3)
ME 412 Heat Power.....	3 (3,0)
ME 414 Heat Power Lab.....	2 (0,6)
ME 420 Administration.....	3 (3,0)
AS or MS 402 Drill.....	0 (0,3)
Technical Electives*.....	6
Approved Elective.....	3

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Technical Electives:	
EE 320 Electronics.....	4 (3,3)
ME 418 Design.....	2 (1,3)
ME 426 Steam Turbines.....	3 (3,0)
ME 428 Steam Turbine Design.....	1 (0,3)
ME 430 Air Conditioning.....	2 (2,0)
ME 432 Air Conditioning Des.....	1 (0,3)
ME 434 Refrigeration.....	2 (2,0)
General Electives:	
AS or MS — Advanced.....	3 (4,0)
Econ 202 Prin. of Economics.....	3 (3,0)
Econ 302 Money and Banking.....	3 (3,0)
Elective English.....	3 (3,0)
Hist 304 Hist. of Civ.....	3 (3,0)
Math 306 Ord. Diff. Equations.....	3 (3,0)
Math 454 Advanced Calculus.....	3 (3,0)
Phys 452 Atom and Nucl. Ph.....	3 (3,0)
Psych 302 Social Psychology.....	3 (3,0)
Rel 201, 203 or 305.....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)
TM 101 Intro. to Textiles.....	3 (2,3)

SCHOOL OF TEXTILES

The great majority of the textile corporations which produce textiles on the cotton system are now located in the Southeastern States, centering in South Carolina and neighboring states. This makes Clemson College an appropriate institution for college training in this field.

There is a trend in the demand for some graduates with training in the basic engineering sciences; therefore, the Textile Engineering course has been modified to meet this demand.

The Clemson Textile School now offers three courses leading to the degree of Bachelor of Science: Textile Chemistry, Textile Engineering, and Textile Manufacturing. Knitting is offered as an option under Textile Manufacturing.

The Sistine Foundation. The funds in this foundation have been contributed by the textile companies in the State and now total nearly one million dollars, which figure is expected to be exceeded soon. The interest from this large fund is used exclusively for the School of Textiles at Clemson, primarily to improve the teaching staff. Under the present plans, the textile faculty is benefiting in three ways: (1) For all faculty members retiring with the rank

* Two courses in Design are required in the Senior year.

of associate or full professor, the retirement payments by the State are enhanced to 85 per cent of the member's full salary (to 100 percent for heads of departments). (2) The foundation contributes half of the salary for an extra professor in each of three departments. The additional faculty members have research projects but take classes for short periods to enable the regular teachers to visit mills, attend conferences, etc. (3) The foundation greatly increases the travel funds to aid the visitation and study of the mills in the State. Plans for the use of additional funds are to be announced later.

TEXTILE CHEMISTRY

The work of textile chemists includes the various phases of textile coloring, bleaching, printing, dyeing, and finishing of textile yarns and fabrics, as well as the manufacture and sale of dyestuffs. Graduates have positions such as bleachery chemist, dye foreman, designer, laboratory chemist, textile chemist, research assistant, and sales representative.

TEXTILE CHEMISTRY

FRESHMAN YEAR

First Semester

Chem 103 General Chemistry.....	4	(3,3)
DD 105 Engr. Drawing.....	2	(0,6)
Engl 101 Comp. and Lit.....	3	(3,0)
Gov 101 Am. Nat'l Gov't.....	3	(3,0)
Math 103 Freshman Math.....	5	(5,0)
AS or MS 101 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

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Second Semester

Chem 104 General Chemistry.....	4	(3,3)
DD 106 Engr. Drawing.....	2	(0,6)
Engl 102 Comp. and Lit.....	3	(3,0)
Math 104 Freshman Math.....	5	(5,0)
TM 101 Intro. to Textiles.....	3	(2,3)
AS or MS 102 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

18

SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4	(2,6)
Engl 203 Survey of Engl. Lit.....	3	(3,0)
Math 203 Diff. Calculus.....	5	(5,0)
Phys 201 General Physics.....	3	(3,0)
Phys 203 General Physics Lab.....	1	(0,3)
WD 201 Fabric Design.....	3	(2,3)
AS or MS 201 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

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Chem 216 Quan. Analysis.....	4	(2,6)
Econ 201 Prin. of Economics.....	3	(3,0)
Engl 204 Survey of Engl. Lit.....	3	(3,0)
Math 204 Integral Calculus.....	5	(5,0)
Phys 202 General Physics.....	3	(3,0)
Phys 204 General Physics Lab.....	1	(0,3)
AS or MS 202 Drill.....	0	(0,3)
AS or MS - Basic.....	1	(2,0)

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JUNIOR YEAR

Chem 331 Physical Chemistry.....	3	(3,0)
Chem 333 Physical Chemistry Lab.....	2	(0,6)
Engl 301 Public Speaking.....	3	(3,0)
TC 305 Textile Chemistry.....	4	(4,0)
TC 307 Textile Chemistry Lab.....	1	(0,3)
TM 462 Textile Microscopy.....	2	(1,3)
AS or MS 301 Drill.....	0	(0,3)
Approved Elective*.....	3	

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Econ 312 Commercial Law.....	3	(3,0)
TC 306 Textile Chemistry.....	4	(4,0)
TC 308 Textile Chemistry Lab.....	1	(0,3)
TC 447 Chem. Proc. Tex.....	3	(3,0)
TC 449 Chem. Proc. Tex. Lab.....	1	(0,3)
TM 403 Textile Management.....	3	(3,0)
YM 305 Cotton Marketing.....	1	(0,3)
AS or MS 302 Drill.....	0	(0,3)
Approved Elective*.....	3	

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* Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Government, History and Religion except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

SENIOR YEAR

First Semester

Chem 431 Colloid Chemistry.....	2	(2,0)
TC 442 Thesis.....	2	(0,6)
TC 452 Chem. Proc. Tex.....	4	(4,0)
TC 454 Chem. Proc. Tex. Lab.....	1	(0,3)
TC 455 Cellulose Chemistry.....	3	(3,0)
TM 464 Phys. Tex. Testing.....	2	(1,3)
AS or MS 401 Drill.....	0	(0,3)
Approved Electives*	5	

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Other Suggested Electives:

Ag Ec 401 Statistics.....	4	(3,3)
AS or MS — Advanced.....	3	(4,0)
Arch 409 Art Appreciation.....	3	(3,0)
Ch En 301 Prin. Chem. Engr.....	3	(3,0)
Ch En 305 Unit Operations.....	1	(0,3)
Ch En 405 Unit Operations.....	1	(0,3)
Chem 401 Inorganic Chemistry.....	3	(3,0)
Chem 411 Adv. Quant. Anal.....	3	(1,6)
EE 303 Elec. Circuits & Mach.....	4	(3,3)
Ent 301 Elem. & Econ. Ent.....	3	(2,3)
Ent 401 Econ. Entomology.....	3	(2,3)
Geog 301 Economic Geography.....	3	(3,0)

Second Semester

Chem 432 Colloid Chemistry.....	2	(2,0)
TC 410 Color Matching.....	1	(0,3)
TC 430 Textile Finishing.....	3	(1,6)
TC 456 Syn. Fibers & Finishing.....	2	(2,0)
TM 454 Time Study.....	3	(2,3)
AS or MS 402 Drill.....	0	(0,3)
Approved Electives*	7	

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Other Suggested Electives:

Ag Ec 352 Public Finance.....	3	(3,0)
AS or MS — Advanced.....	3	(4,0)
Ch En 302 Prin. Chem. Engr.....	3	(3,0)
Ch En 306 Unit Operations.....	1	(0,3)
Chem 462 Technical Analysis.....	3	(1,6)
Chem 472 Organic Synthesis.....	4	(1,9)
Geog 302 Geopolitics.....	3	(3,0)
Geol 306 Mineralogy.....	2	(1,3)

TEXTILE ENGINEERING

Students following the Textile Engineering curriculum receive instruction in basic textile courses for a total of thirty-six college credits; the remainder are in Physics, Mathematics, English, Economics, and Mechanical and Electrical Engineering. Graduates in this curriculum are prepared to enter the research and development fields which are being emphasized by the textile industry, as well as the field of production. They are also prepared to go forward with post-graduate studies.

TEXTILE ENGINEERING

FRESHMAN YEAR

Chem 101 General Chemistry.....	4	(3,3)
DD 105 Engr. Drawing.....	2	(0,6)
Engl 101 Comp. and Lit.....	3	(3,0)
In En 101 Metal Processes.....	2	(0,6)
or CE 101 Elem. Surveying.....	2	(1,3)
Math 103 Freshman Math.....	5	(5,0)
AS or MS 101 Drill.....	0	(0,3)
AS or MS — Basic.....	1	(2,0)

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Chem 102 General Chemistry.....	4	(3,3)
CE 101 Elem. Surveying.....	2	(1,3)
or In En 101 Metal Processes.....	2	(0,6)
DD 106 Engr. Drawing.....	2	(0,6)
Engl 102 Comp. and Lit.....	3	(3,0)
Math 104 Freshman Math.....	5	(5,0)
AS or MS 102 Drill.....	0	(0,3)
AS or MS — Basic.....	1	(2,0)

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SOPHOMORE YEAR

Engl 203 Survey of Engl. Lit.....	3	(3,0)
In En 201 Metal Processes.....	2	(0,6)
Math 203 Diff. Calculus.....	5	(5,0)
Phys 211 G. Phys. for Engr.....	4	(4,0)
Phys 213 Gen. Phys. Lab.....	1	(0,3)
YM 201 Blend. & Cleaning.....	3	(2,3)
AS or MS 201 Drill.....	0	(0,3)
AS or MS — Basic.....	1	(2,0)

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Engl 204 Survey of Engl. Lit.....	3	(3,0)
Math 204 Integral Calculus.....	5	(5,0)
Mech 302 Statics.....	3	(3,0)
Phys 212 G. Phys. for Engr.....	4	(4,0)
Phys 214 Gen. Phys. Lab.....	1	(0,3)
YM 202 Carding.....	3	(2,3)
AS or MS 202 Drill.....	0	(0,3)
AS or MS — Basic.....	1	(2,0)

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* Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Government, History and Religion except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

JUNIOR YEAR

First Semester

DD 305 Kinematics of Mach.	2	(1,3)
EE 307 D. C. Cir. & Mach.	4	(3,3)
Mech 303 Kinetics	3	(3,0)
WD 201 Fabric Design	3	(2,3)
WD 205 Cam Loom Mech.	1	(0,3)
YM 301 Roving Frames	3	(2,3)
AS or MS 301 Drill	0	(0,3)
Approved Elective*	3	

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Second Semester

DD 306 Machine Design	2	(1,3)
EE 308 A. C. Cir. & Mach.	4	(3,3)
Mech 304 Mech. of Matr.	3	(3,0)
WD 202 Fabric Design	2	(1,3)
WD 206 Cam Loom Mech.	2	(1,3)
YM 302 Spinning	3	(2,3)
AS or MS 302 Drill	0	(0,3)
Approved Elective*	3	

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SENIOR YEAR

Econ 201 Prin. of Economics	3	(3,0)
Engl 301 Public Speaking	3	(3,0)
ME 305 Heat Power	3	(3,0)
ME 309 Mechanical Lab.	1	(0,3)
TM 401 Textile Costing	5	(3,6)
TM 403 Textile Management	3	(3,0)
AS or MS 401 Drill	0	(0,3)
Approved Elective*	3	

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Econ 312 Commercial Law	3	(3,0)
ME 306 Heat Power	3	(3,0)
ME 310 Mechanical Lab.	1	(0,3)
TM 454 Time Study	3	(2,3)
TM 462 Textile Microscopy	2	(1,3)
TM 464 Phys. Tex. Testing	2	(1,3)
WD 305 Dobby & Box Mech.	1	(0,3)
AS or MS 402 Drill	0	(0,3)
Approved Elective*	3	

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Other Suggested Electives:

Ag Ec 401 Statistics	4	(3,3)
AS or MS — Advanced	3	(4,0)
Arch 409 Art Appreciation	3	(3,0)
Geog 301 Economic Geography	3	(3,0)
Gov 301 Am. G. & Pol. Par.	3	(3,0)
In En 205 Construction Materials	2	(2,0)
ME 421 Gas Engines	3	(3,0)
ME 423 Gas Engine Design	1	(0,3)
ME 429 Heating and Vent.	2	(2,0)
ME 431 Heating and Vent. Des.	1	(0,3)
Music 402 Music Appreciation	3	(3,0)

Other Suggested Electives:

Ag Ec 352 Public Finance	3	(3,0)
AS or MS — Advanced	3	(4,0)
EE 320 Electronics	4	(3,3)
Geog 302 Geopolitics	3	(3,0)
In En 302 Welding	2	(1,3)
In En 402 Metallurgy	3	(3,0)
ME 430 Air Conditioning	2	(2,0)
ME 432 Air Conditioning Des.	1	(0,3)
ME 434 Refrigeration	2	(2,0)
WD 404 Throwing	3	(2,3)

TEXTILE MANUFACTURING

The Textile Manufacturing curriculum is followed by those textile students who intend to enter the production and management phases of the textile industry. Those students who desire training in the knitting field may elect to take the Knitting Option under Textile Manufacturing during the Junior and Senior years. The curriculum shows that they receive sixty-five of their college credits in subjects taught in the Textile School and that they are well prepared for rapid advancement in textile plants. It is recommended that all textile undergraduates find work in textile mills during summer vacations. This experience always aids them in their upperclass textile courses and also allows the students to make contacts with possible future employers.

* Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Mechanics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Government, History and Religion; French or Spanish if four semesters completed; German if two semesters completed.

TEXTILE MANUFACTURING

FRESHMAN YEAR

First Semester

Chem 101 General Chemistry	4	(3,3)
DD 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
Gov 101 Am. Nat'l Gov't.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)
AS or MS 101 Drill	0	(0,3)
AS or MS - Basic	1	(2,0)

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Second Semester

Chem 102 General Chemistry	4	(3,3)
DD 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 104 Freshman Math.	5	(5,0)
TM 101 Intro. to Textiles	3	(2,3)
AS or MS 102 Drill	0	(0,3)
AS or MS - Basic	1	(2,0)

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SOPHOMORE YEAR

Econ 201 Prin. of Economics	3	(3,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Phys 201 General Physics	3	(3,0)
Phys 203 General Phys Lab.	1	(0,3)
W. D. 201 Fabric Design	3	(2,3)
W. D. 205 Cam Loom Mech.	1	(0,3)
YM 201 Blend. & Cleaning	3	(2,3)
AS or MS 201 Drill	0	(0,3)
AS or MS - Basic	1	(2,0)

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Econ 202 Prin. of Economics	3	(3,0)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Phys 202 General Physics	3	(3,0)
Phys 204 General Phys Lab.	1	(0,3)
WD 202 Fabric Design	2	(1,3)
WD 206 Cam Loom Mech.	2	(1,3)
YM 202 Carding	3	(2,3)
AS or MS 202 Drill	0	(0,3)
AS or MS - Basic	1	(2,0)

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JUNIOR YEAR

Engl 301 Public Speaking	3	(3,0)
TC 301 Textile Chemistry	2	(2,0)
TC 303 Textile Chemistry Lab.	1	(0,3)
WD 301 Fab. Struc. & Des.	2	(1,3)
WD 305 Dobby & Box Mech.	1	(0,3)
WD 309 Knitting	1	(0,3)
YM 301 Roving Frames	3	(2,3)
AS or MS 301 Drill	0	(0,3)
Approved Electives*	6	

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Econ 312 Commercial Law	3	(3,0)
TC 302 Textile Chemistry	2	(2,0)
TC 304 Textile Chemistry Lab.	1	(0,3)
WD 302 Fab. Analysis	2	(1,3)
WD 306 Jacquard Mech.	2	(1,3)
YM 302 Spinning	3	(2,3)
YM 305 Cotton Marketing	1	(0,3)
YM 306 Combining	2	(1,3)
AS or MS 302 Drill	0	(0,3)
Approved Elective*	3	

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SENIOR YEAR

Econ 401 Accounting	3	(3,0)
TC 401 Chem. Proc. Tex.	2	(2,0)
TC 403 Chem. Proc. Tex. Lab.	1	(0,3)
TM 401 Textile Costing	5	(3,6)
TM 403 Textile Management	3	(3,0)
WD 401 Warp Preparation	2	(1,3)
AS or MS 401 Drill	0	(0,3)
Approved Elective*	3	

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Soc 301 Intro. Sociology	3	(3,0)
TC 402 Chem. Proc. Tex.	2	(2,0)
TC 404 Chem. Proc. Tex. Lab.	1	(0,3)
TM 454 Time Study	3	(2,3)
TM 462 Textile Microscopy	2	(1,3)
TM 464 Phys. Tex. Testing	2	(1,3)
WD 402 Fabric Development	2	(1,3)
AS or MS 402 Drill	0	(0,3)
Approved Electives*	6	

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Other Suggested Electives:

Ag Ec 401 Statistics	4	(3,3)
AS or MS - Advanced	3	(4,0)
Arch 409 Art Appreciation	3	(3,0)
Geog 301 Economic Geography	3	(3,0)

Other Suggested Electives:

Ag Ec 352 Public Finance	3	(3,0)
AS or MS - Advanced	3	(4,0)
Geog 302 Geopolitics	3	(3,0)
Music 402 Music Appreciation	3	(3,0)
WD 404 Throwing	3	(2,3)

* Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Sociology, and Textiles; any courses on the Junior-Senior level in Education (if nine credits completed, accepting credit for lower course if it is a prerequisite), Government, History and Religion except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

KNITTING OPTION

This option for the Junior and Senior years has been set up under Textile Manufacturing to embrace every phase of the knitting industry. Students will study such fields as circular body knitting and design, circular hosiery knitting and design, flat and warp knitting, full fashioned knitting, knit garment manufacture, dyeing and finishing of knit goods, and knitting mill practices. Because of the selected courses in this curriculum, students will not only be prepared for the knitting industry, but for almost any other field in textiles, especially yarn manufacturing.

JUNIOR YEAR

First Semester

Engl 301 Public Speaking.....	3	(3,0)
Soc 301 Intro. Sociology.....	3	(3,0)
TC 301 Textile Chemistry.....	2	(2,0)
TC 303 Textile Chemistry Lab....	1	(0,3)
WD 309 Knitting.....	1	(0,3)
WD 311 Flat Knitting Mech.....	2	(1,3)
YM 301 Roving Frames.....	3	(2,3)
YM 305 Cotton Marketing.....	1	(0,3)
AS or MS 301 Drill.....	0	(0,3)
Approved Elective.....	3	

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Second Semester

Econ 312 Commercial Law.....	3	(3,0)
TC 302 Textile Chemistry.....	2	(2,0)
TC 304 Textile Chemistry Lab....	1	(0,3)
WD 310 Adv. Hos. Knitting.....	3	(2,3)
WD 312 Knit. Design & Anal.....	2	(1,3)
YM 302 Spinning.....	3	(2,3)
YM 306 Combing.....	2	(1,3)
AS or MS 302 Drill.....	0	(0,3)
Approved Elective.....	3	

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SENIOR YEAR

Econ 401 Accounting.....	3	(3,0)
TC 401 Chem. Proc. Tex.....	2	(2,0)
TC 403 Chem. Proc. Tex. Lab....	1	(0,3)
TM 401 Textile Costing.....	5	(3,6)
TM 454 Time Study.....	3	(2,3)
WD 411 Full Fashion Knit.....	2	(1,3)
AS or MS 401 Drill.....	0	(0,3)
Approved Electives.....	4	

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TC 402 Chem. Proc. Tex.....	2	(2,0)
TC 404 Chem. Proc. Tex. Lab....	1	(0,3)
TM 403 Textile Management.....	3	(3,0)
TM 462 Textile Microscopy.....	2	(1,3)
TM 464 Phys. Tex. Testing.....	2	(1,3)
WD 410 Body Wear Knit.....	2	(1,3)
WD 412 Knit. Garment Mfg.....	2	(1,3)
AS or MS 402 Drill.....	0	(0,3)
Approved Electives.....	6	

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DESCRIPTION OF COURSES

AGRICULTURAL CHEMISTRY

MR. WEBB

MR. MAULDIN

AG CH 220—AGRICULTURAL ORGANIC CHEMISTRY—4 cr. (3 and 3)

A study of fundamentals of organic chemistry which will aid the student of agriculture to understand the various biochemical reactions which are involved in the study of plant and animal nutrition. *Prerequisite:* Chem 101 and 102.

MR. MAULDIN

AG CH 412—SANITARY CHEMISTRY—3 cr. (1 and 6)

This course is designed to give the student a knowledge of the chemical processes involved in food and water sanitation. It includes the biochemical aspects of food preservation and contamination, the chemistry of water purification and sewage disposal, etc. *Prerequisite:* Chem 216 or 212.

MR. WEBB

AG CH 421—AGRICULTURAL BIOCHEMISTRY—3 cr. (3 and 0)

A study of the chemistry of the materials of biological importance and the chemistry of the physiological processes of plants and animals. The fundamental substances such as enzymes, vitamins, carbohydrates, proteins and hormones and the chemistry of photosynthesis, mineral nutrition and soils are considered in detail. Various phases of animal chemistry such as digestive processes, energy metabolism, etc., are also covered. *Prerequisite:* Organic and Physical Chemistry and Botany.

MR. WEBB

AG CH 422—AGRICULTURAL BIOCHEMISTRY—3 cr. (3 and 0)

A continuation of Ag Ch 421.

MR. WEBB

AGRICULTURAL ECONOMICS

MR. AULL

MR. FERRIER, MR. PETERSON, MR. STEPP, *MR. SMITH, MR. BAUKNIGHT

AG EC 201—INTRODUCTION TO AGRICULTURAL ECONOMICS—3 cr. (3 and 0)

A study of the economics of agricultural production and marketing and of the economic principles that are important in analyzing economic phenomena having direct or indirect effects upon the incomes and living standards of farm people.

AG EC 302—FARM MANAGEMENT—4 cr. (3 and 3)

A study of business principles underlying the organization and operation of individual farms. Such factors as proper balance between enterprises and use of sound agronomic principles are considered from the viewpoint of continuous profits. *Prerequisite:* Ag Ec 201.

MR. BAUKNIGHT

AG EC 305—FARM ACCOUNTING—3 cr. (2 and 3)

Double-entry bookkeeping is stressed in the foundation of this course. Study is then made of special journals, simplifications for farm record keeping, farm

* On leave.

inventories, farm budgets, interpretation of financial statements and the factor method of farm business analysis. MR. FERRIER

AG EC 309—AGRICULTURAL MARKETING—3 cr. (2 and 3)

Examination is made of the characteristics of demand for and supply of farm products and the marketing system which brings them together, the changes which are taking place in marketing, and ways and means of narrowing the spread between farm and retail prices. *Prerequisites:* Ag Ec 201 or Econ 201 and 202. MR. FERRIER

AG EC 352—PUBLIC FINANCE—3 cr. (3 and 0)

A study of the principles of financing government, sources of public revenue, objects of public expenditure, problems of fiscal administration, and the application of fiscal policies in stabilizing the national economy.

MR. AULL, MR. STEPP

AG EC 356—AGRICULTURAL-INDUSTRIAL RELATIONS—3 cr. (3 and 0)

A study of the ways in which and the degrees to which agriculture and industry are dependent upon each other for sound economic prosperity and development, and of the effects upon agriculture of various types of activities in other segments of the national and international economy. *Prerequisites:* Ag Ec 201 or Econ 201 and 202. MR. STEPP

AG EC 401—STATISTICS—4 cr. (3 and 3)

An elementary course dealing with organization and presentation of statistical data, measures of central tendency, sampling, and the usual statistical tests of significance and reliability. MR. PETERSON

AG EC 405—SEMINAR—1 cr. (1 and 0)

An examination of the relation of economics and sociology to specific problems. *Prerequisite:* Senior standing and major in Agricultural Economics.

MR. AULL AND STAFF

AG EC 406—SEMINAR—1 cr. (1 and 0)

A continuation of Ag Ec 405.

MR. AULL AND STAFF

AG EC 451—ECONOMICS OF COOPERATION—3 cr. (3 and 0)

A study of the principles governing cooperative business enterprise and methods of applying these principles to purchasing, selling, processing, and financing in agriculture. Major emphasis is placed upon the possibilities and limitations of cooperation in increasing the incomes of farmers or rendering them better services for their money. *Prerequisites:* Ag Ec 201 or Econ 201 and 202. MR. FERRIER

AG EC 452—AGRICULTURAL POLICY—3 cr. (3 and 0)

A critical examination of government policies and programs affecting agriculture. MR. AULL, MR. PETERSON

AG EC 455—INTERNATIONAL TRADE—3 cr. (3 and 0)

A study of the principles governing interregional and international trade. Attention is devoted to competition between regions and nations, to regulatory

and monetary measures that promote or retard the flow of trade, to the causes and effects of regional and national differences in incomes and levels of living, to the domestic and international effects of various monetary and credit policies, and to the effects of monopoly and government restrictions upon the international price structure of various commodities. *Prerequisite:* Permission of the instructor. MR. STEFF

AG EC 456—PRICES—3 cr. (3 and 0)

A study of the factors affecting prices of farm products and the adjustments necessary to meet price changes, including such topics as prices of farm products in relation to agricultural and industrial conditions, measures of value, parity price concept, and price movements. *Prerequisites:* Ag Ec 201 or Econ 201 and 202, and permission of instructor. MR. PETERSON

AG EC 460—AGRICULTURAL FINANCE—3 cr. (3 and 0)

A critical study of the financial needs of agriculture and of the organization, functions and interrelationships of agencies developed to meet these needs. *Prerequisites:* Ag Ec 201 or Econ 201 and 202. MR. FERRIER

AG EC 462—APPLIED STATISTICS—3 cr. (2 and 3)

A study of methods used in collecting, analyzing and presenting statistical data, with special emphasis upon economic and sociological problems. *Prerequisite:* Ag Ec 401 or permission of instructor. MR. PETERSON

AG EC 501—ADVANCED FARM MANAGEMENT—3 cr. (2 and 3)

AG EC 503—LAND ECONOMICS—3 cr. (3 and 0)

AG EC 505—ECONOMIC THEORY—3 cr. (3 and 0)

AG EC 507—AGRICULTURAL MARKETING PROBLEMS—3 cr. (3 and 0)

AG EC 512—EXPERIMENTAL DESIGNS—3 cr. (3 and 0)

AG EC 591—RESEARCH—3 cr.

AG EC 592—RESEARCH—3 cr.

AGRICULTURAL ENGINEERING

MR. NUTT

MR. MCADAMS, MR. RICHARDSON, *MR. ROGERS, *MR. SNELL,
MR. YOUNG, MR. CRAIG, MR. PRINCE

AG EN 201—FARM MACHINERY—3 cr. (2 and 3)

Construction, adjustment, operation, maintenance and adaptation of farm machinery. Special emphasis is given to production, harvesting and processing problems common to the Southeast. MR. RICHARDSON, MR. PRINCE

AG EN 202—FARM EQUIPMENT—3 cr. (2 and 3)

A general study of all equipment used for modern farming practices. Special emphasis is placed on proper selection for the job, adaptation to special conditions, care, adjustments, and operation. MR. YOUNG

* On leave.

AG EN 203—AGRICULTURAL ENGINEERING PROBLEMS—2 cr. (1 and 3)

A detailed study of the slide rule to familiarize the student with all the scales and their efficient use. Logical approach to all types of problems is stressed. Neatness and accuracy in all computations are emphasized and a review of the application of trigonometric functions and logarithms is made.

Prerequisite: Math 103 and 104.

MR. PRINCE

AG EN 205—FARM SHOP—3 cr. (2 and 3)

A study designed to train students in the proper use and maintenance of hand shop tools commonly found on the farm. Principal topics: Measuring and marking, sawing, planing and smoothing, wood chisels and their use, boring and drilling holes, wood fastenings, painting, finishing, glazing, cutting rafters, sharpening tools, bench and vise work, bolt threading, pipe fitting, soldering and farm concrete work. A course for agricultural and agricultural education students.

MR. MCADAMS

AG EN 207—FARM MECHANICS—2 cr. (1 and 3)

A course in which the student acquires certain skills in the use of all types of tools and equipment necessary for the care and maintenance of farm machines and farm structures.

MR. YOUNG

AG EN 301—SOIL CONSERVATION—3 cr. (2 and 3)

Causes, extent and control of erosion; uses of irrigation, layout, construction and maintenance of terrace systems; drainage, elementary surveying. A course for agricultural and agricultural education students.

MR. CRAIG

AG EN 304—RURAL ELECTRIFICATION—3 cr. (2 and 3)

Distribution and utilization of electrical power on farms and rural areas. Special emphasis is given to adequate wiring and adaptation of electrical appliances to the farm home and in the production and primary processing of farm commodities. *Prerequisite:* EE 303.

MR. PRINCE

AG EN 351—FARM TRACTORS—3 cr. (2 and 3)

History of the internal combustion engine, principles of operation, power and its measurements, valves, carburetion and fuel injection, ignition systems, engine cooling, clutches, transmissions, brakes, final drives, engine troubles and general repair. Tractor servicing and efficient operation in the field.

MR. MCADAMS

AG EN 352—FARM POWER—3 cr. (2 and 3)

A detailed study of farm tractors and stationary power units. Principles of operation, preventive maintenance, adjustment and general repair are emphasized. A course designed for agricultural and agricultural education majors. *Prerequisite:* Ag En 201.

MR. MCADAMS

AG EN 401—SOIL AND WATER CONSERVATION ENGINEERING—3 cr. (2 and 3)

The causes, extent, and control of erosion. Embodies study of elementary meteorology and hydrology, critical runoffs, design and construction of water-control structures such as terraces, outlet channels, diversions, reservoirs, spillways, drainage systems. Recommended *prerequisites:* CE 101, Agron 202, and Mech 401.

MR. CRAIG

AG EN 402—DRAINAGE AND IRRIGATION—3 cr. (2 and 3)

Survey of areas for drainage rainfall and runoff, drainage requirements, design and construction of open ditch and tile systems. Gravity and sprinkler irrigation systems studied as well as water requirements and the use of pumps. *Prerequisites:* CE 101 and Mech 401. MR. CRAIG

AG EN 406—ADVANCED FARM MACHINERY—3 cr. (2 and 3)

This course is designed for seniors majoring in agricultural engineering. Design, development, manufacturing, advertising and sales of farm machinery are considered. *Prerequisite:* Ag En 201 and 351. MR. YOUNG

AG EN 409—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

This course is provided to acquaint the student with research technique in the agricultural engineering field. *Prerequisite:* Senior standing in Agricultural Engineering. MR. NUTT

AG EN 410—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

A continuation of Ag En 409.

MR. NUTT

AG EN 451—FARM STRUCTURES—3 cr. (2 and 3)

This course is planned to develop within the student an appreciation and understanding of the problems involved in determining the functional requirements of farm structures for livestock, crop storage and processing, as well as the analysis and determination of structural requirements for various types of buildings. The use and workability of materials available for construction of farm buildings are also included. *Prerequisite:* ME 302 and 304. MR. RICHARDSON

AG EN 452—ADVANCED FARM STRUCTURES—3 cr. (2 and 3)

A continuation of Ag En 451 with emphasis on farmstead arrangement and layout, design and evaluation of farm structure requirements, bills of materials and specifications. *Prerequisite:* Ag En 451. MR. RICHARDSON

AGRONOMY

MR. COOPER

MR. COLLINGS, *MR. C. M. JONES, *MR. J. W. JONES, MR. SHELLEY,
MR. RITTER, MR. RALLINGS

ACRON 101—FARM CROPS—3 cr. (3 and 0)

A fundamental course in general field crops including the study of the origin, botanical characteristics, varieties, breeding, soil adaptation, fertilizer requirements, and cultural methods employed in the production of the most important field crops of South Carolina and the United States. MR. RALLINGS

ACRON 202—SOILS—3 cr. (2 and 3)

A study of the basic principles of soil physics, soil fertility, and soil biology as they apply to the production of crops. The course deals with the soil as

* On leave.

a reservoir for water, a medium for root development, a source of nutrients, and a home for organisms. *Prerequisite:* Chem 101 and 102.

MR. COLLINGS AND STAFF

AGRON 301—FERTILIZERS AND MANURES—3 cr. (3 and 0)

A study of the sources, mining and manufacturing, composition, physical characteristics, and use of fertilizers and manures. A detailed study is also made of crop responses to fertilizer use. *Prerequisite:* Agron 202.

MR. COLLINGS

AGRON 302—GENETICS—3 cr. (2 and 3)

The purpose of this course is to instruct students in the basic principles of genetics. The principal topics studied include heredity and variation, laws of inheritance, physical basis of inheritance, origin of hereditary differences, and the inheritance of quantitative characters.

MR. RITTER

AGRON 306—FORAGE CROPS—3 cr. (3 and 0)

A course dealing with the characteristics of the various forage crops, with emphasis being laid on those grown in this state. These crops are studied with special reference to their adaptations, growing, harvesting, composition, value and uses, and also with reference to their place in our cropping system. *Prerequisite:* Agron 101.

MR. SHELLEY

AGRON 401—ADVANCED CROP LABORATORY—1 cr. (0 and 3)

A study of the laboratory procedures used in field crop laboratories, followed by a detailed study of the morphological characters, classification, and yielding capacities of important varieties of various farm crops. In addition, attention is given to the study of seed laws, market grades of grains, seed germination and purity tests, and weed identification.

MR. SHELLEY

AGRON 405—PLANT BREEDING—3 cr. (2 and 3)

The purpose of this course is to present the application of the basic principles of genetics to the improvement of crop plants. Principal topics studied include the genetic and cytogenetic basis of plant breeding, mode of reproduction in relation to breeding methods, technics in selfing and crossing, methods of breeding, inheritance in the major farm crops, and biometrical methods. *Prerequisite:* Agron 302.

MR. RITTER

AGRON 409—COTTON AND TOBACCO—3 cr. (3 and 0)

A study of the history, morphology, physiology, fertilization, cultivation, insect and disease control, varieties, breeding, harvesting, grading and marketing of American Upland cotton and flue cured tobacco. The two crops are studied separately, about half a semester being devoted to each. *Prerequisite:* Agron 101.

MR. SHELLEY

AGRON 451—MINERAL NUTRITION OF PLANTS—2 cr. (2 and 0)

In this course attention is given to the nutrition of crop plants and the nutrient requirements of various soils for different crops.

MR. COOPER

ACRON 452—SOIL CLASSIFICATION, FERTILITY, AND MANAGEMENT—2 cr. (2 and 0)

An advanced study of soil composition, soil classification, and soil management practices. Attention is given to the subject of physical and chemical composition of the soil, influence of crop rotations and fertilizers on soil productivity, influence of various methods of tillage on crop yields, and a general study is made of those factors essential for the practical utilization of soils. *Prerequisite:* Agron 202, 301, and major in Agronomy. MR. COLLINGS

ACRON 454—ADVANCED SOIL LABORATORY—1 cr. (0 and 3)

A laboratory course designed to teach students laboratory technique and to make students proficient in making simple physical and chemical determinations of soils. *Prerequisite:* Agron 202. MR. COLLINGS

ACRON 455—SEMINAR—1 cr. (1 and 0)

A study of current agronomic topics of special interest in crop production appearing in recent scientific journals and other publications.

MR. COOPER AND STAFF

ACRON 456—SEMINAR—1 cr. (1 and 0)

A study of the latest published and available unpublished information concerning recent developments in the field of soil science. Topics for discussion are taken from latest published bulletins, reports, and professional magazines.

MR. COLLINGS

ACRON 457—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

The purpose of this course is to instruct students in the methods employed in attacking and solving an agronomic research problem. A suitable research problem is assigned each student for solution. The results of this study are presented in thesis form.

MR. COLLINGS

ACRON 458—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

A continuation of Agron 457.

MR. COLLINGS

ACRON 501—Advanced Nutrition of Crops—3 cr.

ACRON 502—Advanced Pedology and Soil Classification—3 cr.

ACRON 503—Advanced Crop Production—3 cr.

ACRON 504—Advanced Plant Breeding and Genetics—3 cr.

ACRON 591—Research—3 cr.

ACRON 592—Research—3 cr.

AIR SCIENCE

COLONEL DICE

CAPT. ALLEN, CAPT. AUSTELL, CAPT. BEAVEN, CAPT. BROWN, CAPT. CONNOLLY,
CAPT. DALTON, CAPT. MARTIN, M/SGT. CERYANEC, M/SGT. COOPER,
M/SGT. DAVIS, M/SGT. FINCH, M/SGT. FRIAS, M/SGT. KING,
M/SGT. MARINELLE, T/SGT. PERRY, T/SGT. STEPHENSON

AS 101—DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

This course provides training in the wearing of the uniform, military courtesy and customs of the Service, principles of discipline, interior guard duty, familiarization and care of the rifle. Drill of the individual, with and without arms, drill of the flight, parades, reviews, inspections and other ceremonies are emphasized.

AS 102—DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 101. Principal additional topics include: military orders and commands and the development of the voice in giving commands.

AS 109—WORLD POLITICAL GEOGRAPHY—1 cr. (2 and 0)

An examination of the military capacity of the nations and dependencies of the world as revealed in the factors of location, population, economic sufficiency, technology, organization and political behavior from a global point of view with particular emphasis on strategy for peace and war.

CAPT. BROWN, CAPT. MARTIN

AS 110—WORLD POLITICAL GEOGRAPHY—1 cr. (2 and 0)

A continuation of AS 109. Additional topics include: political geography of the oceans, boundaries in international relations, the grand strategy of World War II, and geography in world politics of the future.

CAPT. BROWN, CAPT. MARTIN

AS 201—DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 102. Additional topics include; duties and responsibilities of non-commissioned officers concerning drill, interior guard, parades and ceremonies. Drill of the flight and squadron is stressed.

AS 202—DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 201.

AS 209—AIR POWER CONCEPTS—1 cr. (2 and 0)

A study of the basic organization structure for effecting the defense of the United States, followed by an introduction to aerial navigation including maps, photographs, charts, navigational procedures, dead reckoning and other navigational aids.

CAPT. BEAVEN

AS 210—AIR POWER CONCEPTS—1 cr. (2 and 0)

A continuation of AS 209. Additional topics include meteorology and the effects of weather on flight and combat operations; aerodynamics and propulsion including aeronautical terms, theory of flight, aircraft structures and

power plants; and a correlation of World Political Geography with these Air Power Concepts. CAPT. BEAVEN

AS 301—LEADERSHIP, DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 202. Additional topics include a survey of the principles and techniques of leadership; individual differences; and the relationship between psychology and leadership.

AS 302—LEADERSHIP, DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 301 with emphasis on the functions of leadership with respect to morale, rewards and punishments, promotion and assignment, development of group spirit and discipline.

AS 309—AIRCRAFT MAINTENANCE ENGINEERING—3 cr. (4 and 0)

A study of Air Operations including the staff procedures, planning and organization of wings, groups and wing bases; basic Air Force supply procedures; and the indices, filing and use of military publications. Technical subjects include: the maintenance mission, the use of technical publications; reciprocating, jet and compound engines; and the aircraft fuel systems.

CAPT. CONNOLLY

AS 310—AIRCRAFT MAINTENANCE ENGINEERING—3 cr. (4 and 0)

A continuation of AS 309. Additional topics include the oil, electrical and hydraulic systems of aircraft; and the theory of operation and maintenance of propellers, instruments, and other miscellaneous equipment.

CAPT. CONNOLLY

AS 311—ARMAMENT—3 cr. (4 and 0)

A study of Air Operations including the staff procedures and organization of wings, groups and wing bases; basic Air Force supply procedures; and the indices, filing and use of military publications. Technical subjects include chemical and atomic defense, the caliber 50 machine gun, the 20 mm cannon and rocket launchers.

CAPT. AUSTELL

AS 312—ARMAMENT—3 cr. (4 and 0)

A continuation of AS 311. Additional topics include bombing accessories, electronics, emplidyne fire control systems, and a discussion of guided missiles and pilotless aircraft.

CAPT. AUSTELL

AS 313—FLIGHT OPERATIONS—3 cr. (4 and 0)

A study of Air Operations including the staff procedures, planning and organization of wings, groups and wing bases; basic Air Force supply procedures; and the indices, filing and use of military publications. The technical subjects include the mission, type of equipment, and method of operation of Major Air Commands; the principles of flight; and the introduction to instruments.

CAPT. ALLEN, CAPT. MARTIN

AS 314—FLIGHT OPERATIONS—3 cr. (4 and 0)

A continuation of AS 313. Additional topics include aircraft engineering, air navigation and meteorology.

CAPT. ALLEN, CAPT. MARTIN

AS 401—LEADERSHIP, DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 302. Senior students are made responsible for the efficient operation and conduct of all phases of drill and exercise of command for the unit with a minimum of supervisory assistance. Seminars are conducted on the maxims of leadership.

AS 402—LEADERSHIP, DRILL AND EXERCISE OF COMMAND—0 cr. (0 and 3)

A continuation of AS 401. Additional topics include the discussion of factors pertinent to active duty assignment such as the initial tour of duty, squadron duties, customs of the Service, management of personal affairs, and history and customs of the foreign military services.

AS 409—OFFICER ORIENTATION—3 cr. (4 and 0)

A general course, common to all options, to orientate the prospective Air Force officer in elements of military administration, military teaching methods, objectives and principles of Air Force management, Air Force career programs, inspection systems and military law and boards. *Prerequisite:* AS 310, 312 or 314. CAPT. ALLEN, CAPT. AUSTELL, CAPT. CONNOLLY, CAPT. DALTON

AS 412—ARMAMENT—3 cr. (4 and 0)

A continuation of AS 312. Additional topics include a study of the principles of radar, the B-36 fire control systems (Thyratron), gyro principles and the theory of bombing, the A-1 Series Sight, harmonization and radar bombing equipment. *Prerequisite:* AS 312 and 409. CAPT. AUSTELL

AS 414—FLIGHT OPERATIONS—3 cr. (4 and 0)

A continuation of AS 314. Additional topics include advanced navigation and bombing including the theory of radar as applied to both, duties and responsibilities of electrical countermeasures officers and all weather fighter radar observer. *Prerequisite:* AS 314 and 409. CAPT. ALLEN, CAPT. MARTIN

ANIMAL HUSBANDRY

MR. STARKEY

MR. RITCHIE, MR. COOK, *MR. GODLEY, MR. WHEELER

AH 101, 103—TYPES AND BREEDS—3 cr. (2 and 3)

A study of types, breeds, and market classes of beef cattle, horses, sheep, and swine. In laboratory the judging of farm animals is given considerable emphasis. MR. RITCHIE

AH 301—FEEDS AND FEEDING—3 cr. (3 and 0)

A study of feed nutrients, digestion, metabolism of feed stuffs, nutritive ratios, feeding standards, and the balancing of rations. *Prerequisite:* AH 101, 103 and Ag Ch 220. MR. COOK

AH 303—FEEDS AND FEEDING LABORATORY—1 cr. (0 and 3)

Practical work in mixing and balancing rations and identifying feed stuffs. *Prerequisite:* AH 101, 103 and Ag Ch 220. MR. COOK

* On leave.

AH 306—JUDGING—1 cr. (0 and 3)

Judging classes of cattle, horses, sheep, and swine. An advanced course in the selection and judging of breeding and fat animals. *Prerequisite:* AH 101 and 103.

MR. COOK

AH 310, 314—PORK PRODUCTION—3 cr. (2 and 3)

Feeding, breeding, management, and marketing of hogs. Emphasis is placed on winter and summer forages, protein supplements, mineral mixtures, and sanitation. *Prerequisite:* AH 301.

MR. STARKEY

AH 312—BREEDS OF LIVESTOCK—2 cr. (2 and 0)

A study of the origin, characteristics, and adaptability of the different breeds of livestock: beef cattle, swine, sheep and horses. *Prerequisite:* AH 101 and 103.

MR. COOK

AH 401, 403—BEEF PRODUCTION—3 cr. (2 and 3)

Breeding, feeding, management and grading of beef cattle. Emphasis is placed on year-round grazing. *Prerequisite:* AH 301.

MR. STARKEY

AH 402—HORSE AND SHEEP PRODUCTION—3 cr. (3 and 0)

A study of the breeding, feeding, training, stabling, and care of horses. Also a study of the breeding, feeding, shearing, and marketing of sheep. The adaptability of breeds. Parasites and diseases. *Prerequisite:* AH 301.

MR. GODLEY

AH 405—ADVANCED JUDGING—1 cr. (0 and 3)

A continuation of AH 306 designed for students who are interested in participating in judging contests or in receiving special training in the selection of breeding stock. *Prerequisite:* AH 306.

MR. COOK

AH 406—SEMINAR—2 cr. (2 and 0)

Special problems in animal production. Each student is given a subject on which he makes weekly reports of progress before the seminar group. A thesis is required. *Prerequisite:* AH 301.

MR. STARKEY

AH 451—ADVANCED FEEDS—2 cr. (2 and 0)

A study of the relative values of the different feeds used in livestock production. The nutrient requirements of the different classes of livestock, and the digestible nutrients in our most common feeds. The balancing of rations for all classes of livestock. *Prerequisite:* AH 301.

MR. STARKEY

AH 452, 454—ANIMAL BREEDING—3 cr. (2 and 3)

A study of the fundamental principles relating to the breeding and improvement of livestock including variation, heredity, selection, linebreeding, inbreeding, cross-breeding, breed analysis, and other related subjects. *Prerequisite:* Agron 302.

MR. GODLEY

AH 455—FARM MEATS—2 cr. (0 and 6)

A study of the selection and killing of meat animals and the cutting, curing, and preservation of farm meats. Also the production, judging, and consumption of farm meats. *Prerequisite:* AH 101 and 103.

MR. WHEELER

AH 456, 458—ADVANCED MEATS—2 cr. (1 and 3)

A study of the retail and wholesale cuts of meat; the making of sausage and meat specialties; and meat hygiene. *Prerequisite:* AH 455. MR. WHEELER

AH 501—ANIMAL HISTOLOGY—3 cr. (2 and 3)

AH 502—TOPICAL PROBLEMS—1-3 cr. (1-3 and 0)

AH 503—PATHOGENIC DISEASES OF LIVESTOCK—3 cr. (3 and 0)

AH 591—RESEARCH—3 cr

AH 592—RESEARCH—3 cr.

ARCHITECTURE

MR. GATES

MR. ST. HUBERT, MR. HODGE, MR. MEANS, MR. O'CONNELL, MR. BAINBRIDGE,
MR. GUNNIN, MR. WILKINS, MR. YOUNG

ARCH 101—ELEMENTS OF DESIGN—3 cr. (0 and 9)

This course acquaints the beginner with the fundamentals of architecture, in which an effort is made to give an accurate picture of the profession of architecture. Basic training is given in graphics, descriptive geometry, and abstract design. Graphics includes an elementary study of plans, details, lettering, drafting, and a brief study of the orders. Descriptive geometry embraces the study of planes, projections, true lengths of lines, isometric drawings, and sections.

MR. YOUNG

ARCH 102—ARCH DESIGN—3 cr. (0 and 9)

The design of simple buildings to be developed in the terms of basic elements of circulation, functional relationship of rooms and space as well as interior and exterior appearance. *Prerequisite:* Arch 101.

MR. WILKINS

ARCH 105—FREEHAND PRESENTATION—2 cr. (0 and 6)

A course designed to give the student a thorough working knowledge of the principles of freehand and mechanical perspective, shades and shadows, and presentation of work. A drafting and sketching technique is stressed with the medium of pencil.

MR. HODGE, MR. WILKINS

ARCH 106—FREEHAND REPRESENTATION—2 cr. (0 and 6)

Freehand sketching and presentation in black and white mediums. *Prerequisite:* Arch 105.

MR. HODGE

ARCH 201—ARCHITECTURAL DESIGN—4 cr. (0 and 12)

Design of simple structures with emphasis on the basic elements of circulation, functional relationship of rooms, spaces, and services, interior and exterior appearance. *Prerequisite:* Arch 105 and 106.

MR. WILKINS, MR. YOUNG

ARCH 202—ARCHITECTURAL DESIGN—4 cr. (0 and 12)

A continuation of Arch 201.

MR. YOUNG

ARCH 207—DELINEATION—1 cr. (0 and 3)

The study and execution of various types of presentations, water color, tempera, ink and pencil. This course is designed to familiarize the student with the possibilities offered by the medium with relation to architectural presentation.

MR. BAINBRIDGE

ARCH 208—DELINEATION—1 cr. (0 and 3)

A continuation of Arch 207. *Prerequisite:* Arch 106.

MR. BAINBRIDGE

ARCH 215—BUILDING MATERIALS—2 cr. (2 and 0)

A study planned to give the student a knowledge of materials used in building construction. The course is designed to trace the building material from its source as a raw material, through its manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing plants of building materials are a part of this course.

MR. O'CONNELL

ARCH 216—BUILDING DESIGN—2 cr. (2 and 0)

A study intended to familiarize the student with the construction of the small dwelling. The course begins with the selection of the site and embraces all the necessary steps and methods of construction, terminating with the completed structure. Inspection trips to dwellings under construction are part of this course. *Prerequisite:* Arch 215.

MR. GUNNIN

ARCH 301—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

Problems involving planning, elevation and mass composition in Architecture. Work includes the planning of public buildings, with emphasis on function, studies in entourage, elements of landscape with relation to plan and elevation, interior architecture, indication and presentation sketch problems. *Prerequisite:* Arch 202.

MR. GATES

ARCH 302—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

A continuation of Arch 301.

MR. GATES

ARCH 307—ELEMENTARY WATER COLOR—1 cr. (0 and 3)

The fundamental use of color, composition and technique, giving the student a thorough background with emphasis on architectural delineation. *Prerequisite:* Arch 208.

MR. BAINBRIDGE

ARCH 308—ADVANCED WATER COLOR—1 cr. (0 and 3)

This course is designed to give advanced students various exercises in color presentation. Water color and tempera are used with architectural presentation in mind. *Prerequisite:* Arch 307.

MR. BAINBRIDGE

ARCH 309—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

This study acquaints the student with the development of architecture, from prehistoric to Romanesque time, as a problem both of construction and aesthetics. Influence of various geographic, geological, social, and psychological factors; structural problems and their solution, post and lintel, arch, vault, pendentive, dome; planning problems and their solution; temples, churches, public buildings; decorative problems and their solution, as revealed in the

buildings of the Egyptian, Greek, Roman, Early Christian and Byzantine periods, are topics covered.

MR. ST. HUBERT

ARCH 310—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 309. A study of the Romanesque period, its spread through western Europe as a system of building of great variety which preceded the organic Gothic of the Ile-de-France. The revival of classic form in Italy during the Renaissance, the spread of the Renaissance in England and France. *Prerequisite:* Arch 309.

MR. ST. HUBERT

ARCH 317—WORKING DRAWINGS—2 cr. (1 and 3)

Drafting room practice. Methods, materials, and details relating to the construction used in residence and preparation of working drawings for a small frame building. Problems in estimating and quantity survey of building costs and cost analysis of a building. *Prerequisite:* Arch 215 and 216.

MR. O'CONNELL

ARCH 318—WORKING DRAWINGS—1 cr. (0 and 3)

The preparation of complete working drawings of a brick or stone veneer building. *Prerequisite:* Arch 317 or CE 317.

MR. O'CONNELL

ARCH 401—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

The designing of complex buildings, site and group planning; analysis and development of the plan and design problem from its most elemental to its final form; and sketch problems. *Prerequisite:* Arch 302.

MR. MEANS

ARCH 402—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

A continuation of Arch 401 to include advanced problems in design, elements of civic planning, composition of involved types of buildings or groups of building, housing, and landscaping.

MR. MEANS

ARCH 408—INDUSTRIAL DESIGN—1 cr. (0 and 3)

A study designed to give the student the fundamentals in design of simple pieces of furniture as worked out on the drafting table. The student is given practice in making detail drawings of chairs, tables, metal work.

MR. BAINBRIDGE

ARCH 409—ART APPRECIATION—3 cr. (3 and 0)

This study is intended to give the student a general idea of the field of art, to develop knowledge and taste through contact with the best examples. Principal topics covered are: Periods of styles of architecture, painting, sculpture, ornament, decorative and interior composition, furniture, given by lecture and lantern slides.

MR. ST. HUBERT

ARCH 411—HISTORY OF ARCHITECTURE—2 cr. (2 and 0)

The development of Architecture from the Renaissance period in France and England to modern time, as a problem both of construction and aesthetics and with the influence of various geological, social and psychological factors. The topics are: First, the Colonial period; a summary in North American architecture followed by a thorough study of the same period in South Carolina. Second, the National period; Classicism, Romanticism, Romanesque phase,

classical phase, Gothic phase, Functionalism, beginning and development of modern architecture. *Prerequisite:* Arch 310. MR. ST. HUBERT

ARCH 412—HISTORY OF ART—3 cr. (3 and 0)

History of Art considered as an insight into a moving process of life and presented both by argument and by objective evidence. Its oldest expression, evolution similarities, influences and reactions are considered in order to arrive at a true and complete understanding of the growth of the new tradition in architecture, showing its interrelations with city planning, painting, and science. MR. ST. HUBERT

ARCH 415—BUILDING DESIGN—2 cr. (2 and 0)

The purpose of this study is to give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course. *Prerequisite:* Arch 216. MR. O'CONNELL

ARCH 416—SPECIFICATIONS AND PROFESSIONAL PRACTICE—2 cr. (2 and 0)

A study designed to give the student a general knowledge of the organization and development of specifications, in relation to working drawings, as prepared in the practicing architect's office. Course includes a final specification as a term paper. MR. O'CONNELL

ARCH 417—WORKING DRAWINGS—2 cr. (0 and 6)

Drafting room practice. The preparation of complete working drawings as done in an architect's office. Structural analysis, design, and detailing of steel and concrete, columns, trusses, etc., as encountered in architectural constructions. *Prerequisite:* Arch 318. MR. MEANS

ARCH 418—CONSTRUCTION—2 cr. (1 and 3)

A continuation of Arch 417. The development of architectural and structural details in conjunction with working drawings completed in Arch 417. *Prerequisite:* Arch 417. MR. GUNNIN

ARCH 421—MECHANICAL PLANT—1 cr. (0 and 3)

Problems involved in the installation, operation, and supervision of heating, lighting, plumbing, air conditioning, elevator and other service equipment in modern building. MR. O'CONNELL

ARCH 422—MECHANICAL PLANT—1 cr. (0 and 3)

A continuation of Arch 421. MR. O'CONNELL

ARCH 425—BUILDING DESIGN—2 cr. (2 and 0)

This course is designed to give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course. *Prerequisite:* Arch 216. MR. O'CONNELL

ARCH 427—WORKING DRAWINGS—4 cr. (1 and 9)

Drafting room practice. The student is required to make a complete set of architectural working drawings of reinforced concrete or steel framed building as prepared in the practicing architect's office. *Prerequisite:* Arch 318.

MR. GUNNIN

ARCH 428—WORKING DRAWINGS—3 cr. (0 and 9)

A continuation of Arch 427 with emphasis on the addition of details such as door and window details, wall sections, and details of other parts of the building.

MR. GUNNIN

ARCH 431—ARCHITECTURAL DESIGN AND CITY PLANNING—7 cr. (0 and 21)

The advanced design of large buildings, projects and the development of the plans of a small city, which entail research and field trips. Seminars are included in this course. *Prerequisite:* Arch 402.

MR. GATES

ARCH 432—ARCHITECTURAL DESIGN—7 cr. (0 and 21)

A continuation of Arch 431, with the final preparation for entering the field of architecture. A thesis is required. *Prerequisite:* Arch 402 and 431.

MR. GATES

ARCH 439—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

This course is intended to give the student an insight into the future of the profession which lies in the field of organic town design. The architecture of tomorrow is based on the fundamental fact that architecture is a social and organic art form with the aim of creating about men a culturally healthy environment. *Prerequisite:* Arch 411.

MR. ST. HUBERT

ARCH 440—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 439 to lead the student to perceive the whole of man's physical accommodation from the intimacy of the room to the very complex problem of the large metropolis, and to learn to express by means of architectural language the way in which we live today in our homes, villages, towns and cities; to develop student's initiative. *Prerequisite:* Arch 439.

MR. ST. HUBERT

ARCH 445—CONSTRUCTION—1 cr. (0 and 3)

The advanced design of structural elements and working drawings entailing the use of reinforced concrete and steel in the modern building construction. Studies of the various construction systems and field trips are included in this course. *Prerequisite:* Arch 418 or 428.

MR. MEANS

ARCH 446—CONSTRUCTION—1 cr. (0 and 3)

A continuation of Arch 445.

MR. MEANS

ARCH 452—THESIS—3 cr. (3 and 0)

MR. GATES, MR. MEANS

BACTERIOLOGY

MR. RUSH, MR. VAN ESELTINE

BACT 301, 303—GENERAL BACTERIOLOGY—4 cr. (3 and 3)

Morphology, classification, distribution, cultivation, observation, and physiology of microorganisms; effects of organisms on their environment; microorganisms and health. *Prerequisite:* Bot 101, 103; Chem 101, 102.

MR. RUSH, MR. VAN ESELTINE

BACT 310, 312—ADVANCED BACTERIOLOGY—4 cr. (2 and 6)

The first part of this course is devoted to discussions of the nutrition, metabolism, growth, and death of bacteria, microbiological assays, and industrial fermentations. This is followed by a detailed survey of those bacteria most important in water, milk, foods, and industry, together with some of the technics used in their study. *Prerequisite:* Bact 301, 303; Chem 220 or 221, 222.

MR. VAN ESELTINE

BACT 402, 404—DAIRY BACTERIOLOGY—3 cr. (2 and 3)

Bacterial counts on milk, milk fermentations, contamination of milk and cream, reducing the contamination of milk, growth of microorganisms in milk and cream, spread of diseases through milk and its derivatives; preservation of milk and cream, bacteriology of prepared milks, ice cream, butter cultures, fermented milks, butter, cheese, tests for the quality of milk and cream. *Prerequisite:* Bact 301 and 303.

MR. RUSH, MR. VAN ESELTINE

BACT 406, 408—SANITARY BACTERIOLOGY—4 cr. (3 and 3)

This course is designed primarily for Engineering students. After a consideration of the fundamentals of bacteriology, the course is designed to give a knowledge of the relation of bacteriology to water purification and sewage disposal. *Prerequisite:* Chem 101 and 102.

MR. RUSH, MR. VAN ESELTINE

BACT 410, 412—SOIL MICROBIOLOGY—3 cr. (2 and 3)

The role of microbes in the decomposition of organic substances, transformation of nitrogen, transformation of mineral substances in soil by the action of microorganisms, interrelationships between higher plants and soil microorganisms, modification of the soil population, importance of microbes in soil fertility. *Prerequisite:* Bact 301 and 303.

MR. RUSH, MR. VAN ESELTINE

BACT 502, 504—ADVANCED BACTERIOLOGICAL TECHNIC—4 cr. (2 and 6)

BOTANY

MR. ARMSTRONG

MR. ROSENKRANS, MR. MATHEWS, MR. RUTLEDGE, MR. WHITNEY

BOT 101, 103—GENERAL BOTANY—4 cr. (3 and 3)

The first part of the semester is devoted to a study of the form, structure, and physiology of the higher plants, followed by a study of algae, bacteria, fungi, liverworts, mosses, and ferns, with the application of the biological

laws. Descriptions, life histories and adaptation of the representative organisms are considered.

MR. ROSENKRANS, MR. MATHEWS, MR. RUTLEDGE, MR. WHITNEY

BOT 351, 353—PLANT MORPHOLOGY—4 cr. (2 and 6)

A study of the structure of vegetative and reproductive parts of plants representing most of the major groups except the fungi. Most of the time is spent on the higher vascular plants. *Prerequisite:* Bot 101 and 103.

MR. RUTLEDGE

BOT 352, 354—PLANT PHYSIOLOGY—4 cr. (3 and 3)

A study of all the relations and processes which have to do with the maintenance, growth, and reproduction of plants. Principal topics are absorption of matter and energy, water relations of the plant, utilization of reserve products and liberation of energy, growth, movement and reproduction. *Prerequisite:* Bot 101 and 103; Chem 101 and 102; Phys 201 and 203 or Phys 211 and 213.

MR. WHITNEY

BOT 355—HISTOLOGY—2 cr. (0 and 6)

This course gives the student a knowledge of the principles of fixing, cutting, and staining plant tissues and the various other processes of micro-technique as well as their application to specific forms of plants. *Prerequisite:* Bot 101 and 103; Chem 101 and 102.

MR. ROSENKRANS

BOT 356, 358—TAXONOMY—3 cr. (1 and 6)

The identification, classification, distribution, and interrelationship of flowering plants with particular emphasis on the flora of South Carolina. Laboratory work includes a study of native trees and shrubs in winter condition, the collection and identification of local plants, and the preparation of a small herbarium. *Prerequisite:* Bot 101 and 103.

BOT 401, 403—PLANT PATHOLOGY—3 cr. (2 and 3)

To acquaint the student with the major plant diseases of the South, symptoms of the diseases, the nature of the causal agencies or factors, and methods of control. *Prerequisite:* Bot 101 and 103.

MR. ARMSTRONG, MR. MATHEWS

BOT 402, 404—ECONOMIC BOTANY—3 cr. (2 and 3)

A study of plants and plant products and their relationship to human history and contemporary life. Sources of plant products, especially those outside the scope of courses in Agronomy and Horticulture, such as woods, resins, tanning materials, rubber, textiles, cereals, sugar, oils, fruits, spices, beverages and drugs. Library research, periodic reports, and the examination of special material replace formal laboratory work. *Prerequisite:* Bot 101 and 103. Other students who present evidence of good scholarship may elect.

BOT 405—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

BOT 406—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

BOT 451, 453—MORPHOLOGY OF THE FUNGI—3 cr. (2 and 3)

A course to acquaint the student with the morphology and taxonomy of the fungi through lectures, reports, laboratory work, and field trips. Special

attention is devoted to practice in the methods of pure culture as they apply to the different saprophytic and parasitic forms. *Prerequisite:* Bot 101, 103; Bot 401, 403. MR. MATHEWS

BOT 452, 454—ECOLOGY—4 cr. (2 and 6)

A study of the fundamental principles of the relations between plants and environmental conditions. Special attention is given to ecological relationships and problems in this region. *Prerequisite:* Bot 101, 103. MR. RUTLEDGE

BOT 501—METHODS OF RESEARCH IN PLANT PHYSIOLOGY—3 cr. (2 and 3)

BOT 503—ADVANCED PLANT PATHOLOGY—4 cr. (3 and 3)

CERAMIC ENGINEERING

MR. ROBINSON, MR. BICKELHAUPT

CR EN 201—INTRODUCTION TO CERAMIC ENGINEERING—2 cr. (2 and 0)

A description of the different ceramic industries with introductory information on manufacturing methods and properties and uses of ceramic products. MR. ROBINSON

CR EN 202—CERAMIC MATERIALS—3 cr. (3 and 0)

A study of the occurrence, mining, and properties of clays and ceramic minerals.

CR EN 301—THE DRYING AND FIRING OF CERAMIC PRODUCTS—4 cr. (3 and 3)

A study of the theory, equipment and control of the drying and firing processes. *Prerequisite:* Cr En 202, Phys 212 and 214.

CR EN 303—CERAMIC PRODUCTS—5 cr. (2 and 0)

This course is intended as an elective course for architects, architectural, chemical, civil, electrical and mechanical engineers to acquaint them with the various ceramic products used in their professions. The properties, uses and methods of manufacture of such products as structural clay, refractories, whitewares, porcelain enamel and glass are included in this course.

CR EN 305—SILICATES—5 cr. (3 and 6)

A study of one, two, three and multi component equilibrium diagrams concerning ceramic compositions. A study of tests and calculations performed to determine the physical, electrical, optical, thermal and chemical properties of ceramic materials and products. *Prerequisite:* Cr En 301 or enrollment in Cr En 301. MR. ROBINSON

CR EN 402—REFRACTORIES—3 cr. (3 and 0)

A study of refractory materials, the manufacture of refractory products, and the use of refractories in industrial furnaces. *Prerequisite:* Cr En 305.

CR EN 403—WHITEWARES AND GLAZES—3 cr. (3 and 0)

A study of the formulation, preparation, manufacture and application of whiteware bodies and glazes. *Prerequisite:* Cr En 305.

CR EN 404—ENAMELS—3 cr. (3 and 0)

A study of the raw materials, methods of manufacture, and properties of porcelain enamel coatings for metals. *Prerequisite:* Cr En 305.

CR EN 405—PLANT DESIGN—2 cr. (0 and 6)

The application of the fundamentals of ceramic engineering to specific problems in plant design. *Prerequisite:* Senior standing in Ceramic Engineering and Cr En 305.

CR EN 406—CERAMIC PROJECT—2 cr. (0 and 6)

The completion of an original research into a ceramic problem. *Prerequisite:* Cr En 305.

CR EN 408—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Cr En 405.

CR EN 410—GLASS—3 cr. (3 and 0)

A study of the manufacture and properties of various glass products.

MR. ROBINSON

CR EN 412—RAW MATERIAL PREPARATION—3 cr. (3 and 0)

A study of the equipment and processes used in the crushing and grinding of raw materials, the separation and classification of particle sizes, and the separation and purification of minerals by mineral dressing methods.

MR. ROBINSON

CR EN 416—CEMENTS, LIME AND PLASTERS—3 cr. (3 and 0)

A study of the manufacturing methods, properties and uses of various cementing materials.

MR. BICKELHAUPT

CR EN 418—PROCESS CONTROL—3 cr. (1 and 6)

The application of laboratory techniques to the control of product quality and process efficiency.

CHEMICAL ENGINEERING

MR. BERNE-ALLEN, MR. LITTLEJOHN

CH EN 202—INTRODUCTION TO CHEMICAL ENGINEERING—2 cr. (2 and 0)

This course is designed to acquaint students with the profession of Chemical Engineering and to introduce them to certain basic concepts and methods used by the chemical engineer. Technical topics include conversion of units, use of the slide rule, pressure and temperature, the gas laws, molecular quantities, dimensional analysis and material and energy balances. *Prerequisite:* Chem 104 and Math 104.

CH EN 301—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

An introduction to the general principles of Chemical Engineering and a study of the following unit operations: Fluid Flow, Fluid Transportation, Heat Transmission and Evaporation. Special emphasis is placed on theory

and its practical application. This is accomplished through the presentation of comprehensive calculations. *Prerequisite:* Ch En 202. MR. BERNE-ALLEN

CH EN 302—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations based on diffusion: Humidification and Air Conditioning, Drying and Distillation. Special attention is given to theories involved and practical applications thereof. Theory is correlated with practice by the solution of comprehensive problems. *Prerequisite:* Ch En 301.

MR. LITTLEJOHN

CH EN 305—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 202 and 301 in which theory is related to practical application by actual operation of equipment and the preparation of technical reports thereon. *Prerequisite:* Ch En 202 and with or following Ch En 301.

MR. LITTLEJOHN

CH EN 306—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 302 in which theory is related to practical application by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 305.

MR. LITTLEJOHN

CH EN 401—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations: Gas Absorption and Solvent Extraction, Filtration, Crystallization, Mixing, Conveying, Size Reduction and Size Separation. Special emphasis is placed on theory and its practical application. Theory is related to practice by solution of comprehensive problems. *Prerequisite:* Ch En 301 and 302.

MR. LITTLEJOHN

CH EN 403—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A study of various chemical industries. Economics and the inter-relation of unit operations and unit processes are considered. Attention is given to the dependence of each industry on the chemical field as a whole. *Prerequisite:* Senior standing in Chemical Engineering or Chemistry.

MR. BERNE-ALLEN

CH EN 404—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A continuation of Ch En 403. *Prerequisite:* Senior standing in Chemical Engineering or Chemistry.

MR. BERNE-ALLEN

CH EN 405—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 401 in which theory is related to practice by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 306.

MR. LITTLEJOHN

CH EN 406—INDUSTRIAL CHEMICAL CALCULATIONS—2 cr. (2 and 0)

Advanced Chemical Engineering calculations involving particle size separation, cyclone separators, agitation, combustion and the solution of other stoichiometric problems on the industrial plant scale.

MR. LITTLEJOHN

CH EN 409—PLANT DESIGN—2 cr. (0 and 6)

A detailed study of the design of a chemical plant involving such factors as process to be employed, equipment selection, specification writing and cost accounting, and plant location. *Prerequisite:* Senior standing in Chemical Engineering. **MR. BERNE-ALLEN**

CH EN 412—THESIS—3 cr. (0 and 9)

The solution of a research problem in Chemical Engineering chosen by the student. A written report is required in which special emphasis is laid upon originality of thought, method of attack, discussion of results and conclusions. *Prerequisite:* Ch En 401 and 405 **MR. BERNE-ALLEN, MR. LITTLEJOHN**

CH EN 416—CHEMICAL ENGINEERING SEMINAR—1 cr. (1 and 0)

A discussion period conducted by the students on the subject of nuclear energy. Emphasis is placed on the preparation of technical papers and their delivery. **MR. BERNE-ALLEN**

CH EN 422—INDUSTRIAL WASTE TREATMENT—2 cr. (2 and 0)

This course is designed to acquaint the student with the various types of industrial wastes and the treatments required to prevent further pollution of our natural water resources.

CH EN 430—CHEMICAL ENGINEERING THERMODYNAMICS—3 cr. (3 and 0)

Theoretical thermodynamics as applied to Chemical Engineering problems. Topics include real and ideal gases, the first three laws of thermodynamics, compression and expansion of fluids and phase equilibria. Stress is laid on inductive reasoning in the field. **MR. LITTLEJOHN**

CHEMISTRY**MR. SCHIRMER**

MR. CARODEMOS, MR. HUNTER, MR. MITCHELL, MR. POLLARD, MR. DINWIDDIE, MR. POLK, *MR. BROWNLEY, *MR. HOBSON, MR. HODGES, MR. DUVAL, MR. GRIMES, MR. MOYD, MR. SALLEY, MR. STILL

CHEM 101—GENERAL CHEMISTRY—4 cr. (3 and 3)

The purpose of this course is to give the student a general knowledge of the fundamentals of the science of chemistry through lectures, lecture experiments, and laboratory exercises. Consideration is given to the common substances. **MR. POLK AND STAFF**

CHEM 102—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 101.

MR. HUNTER AND STAFF**CHEM 103—GENERAL CHEMISTRY—4 cr. (3 and 3)**

This course is required of students majoring in Chemistry, Ceramic Engineering, Chemical Engineering, Textile Chemistry, Pre-Medicine or Pre-Veterinary Medicine. It is similar to Chem 101, except that it gives a more

* On leave.

thorough covering of those fundamentals which are necessary for advanced work in Chemistry. MR. SCHIRMER AND STAFF

CHEM 104—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 103.

MR. SCHIRMER AND STAFF

CHEM 211—QUALITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Qualitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 215 except that the theoretical principles are developed in less detail. Greater emphasis is placed on those principles more likely to be encountered in medical work. *Prerequisite:* Chem 101 and 102, or 103 and 104. MR. SCHIRMER

CHEM 212—QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Quantitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 216 except that the theoretical principles are developed in less detail. Greater emphasis, both in theory and laboratory work, is placed on those analyses which are more applicable to medical work. *Prerequisite:* Chem 211 or 215. MR. SCHIRMER

CHEM 215—QUALITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Qualitative Analysis and their application in the systematic separation and identification of the common cations and anions in the laboratory. The topics discussed are: chemical equilibrium and the law of mass action, solution and ionization, solubility product, hydrolysis and complex ions. *Prerequisite:* Chem 101 and 102, or 103 and 104. MR. SCHIRMER

CHEM 216—QUANTITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Quantitative Analysis and their application in the analysis of unknown mixtures in the laboratory. Standard volumetric and gravimetric procedures are employed. *Prerequisite:* Chem 215. MR. SCHIRMER

CHEM 221—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

A thorough study of the aliphatic compounds with special emphasis upon structural characteristics of the various classes. In the laboratory, typical compounds are prepared in which techniques, purity and yield are stressed. *Prerequisite:* Chem 101 and 102, or 103 and 104. MR. CARODEMOS

CHEM 222—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

The alicyclic, heterocyclic, and aromatic compounds are thoroughly studied. Typical members of these series of compounds are synthesized in the laboratory in which technique, purity and yield are stressed. *Prerequisite:* Chem 221. MR. CARODEMOS

CHEM 312—GAS AND FUEL ANALYSIS—3 cr. (1 and 6)

A study of the composition and combustion of solid, liquid and gaseous fuels, and of the products of combustion. The laboratory work consists of analyses of solid and gaseous fuels, calorimetry, and testing of fuel and lubricating oils. *Prerequisite:* Chem 101 and 102, or 103 and 104. MR. BROWNLEY

CHEM 321—QUALITATIVE ORGANIC ANALYSIS—4 cr. (2 and 6)

The systematic identification of pure organic compounds and mixtures.

MR. CARODEMOS

CHEM 331—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions.

Prerequisite: Math 203 and 204, Chem 212 or 216, Chem 221 (may be taken at the same time.)

MR. POLLARD

CHEM 332—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 331, including the study of chemical equilibrium, the phase rule, chemical kinetics and elementary electrochemistry.

MR. POLLARD

CHEM 333—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

Laboratory course to accompany Chem 331. Experimental studies of the physico-chemical behavior of gases, liquids, solids and solutions.

MR. DINWIDDIE

CHEM 334—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

A continuation of Chem 333 to accompany Chem 332. Studies of chemical equilibria, reaction rates, phase systems and electrochemical measurements.

MR. DINWIDDIE

CHEM 336—PHYSICAL CHEMISTRY—5 cr. (5 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions as related to the ceramic industry.

MR. POLLARD

CHEM 401—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A comprehensive survey of the field of inorganic chemistry through lectures and lecture experiments. Development of modern theories of atomic structure and valence, and a detailed study of the elements and their compounds, based on the periodic system and including both well known and rarer elements. *Prerequisite:* Chem 212 or 216. *Suggested:* Chem 331 and 332.

MR. SCHIRMER

CHEM 402—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem. 401.

MR. SCHIRMER

CHEM 411—ADVANCED QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

This course involves gravimetric and colorimetric analysis including complete analysis of limestones and silicates, and a partial analysis of coal, pig iron and steel. Also, the quantitative analysis of alloys using electrometric separation in some cases. The determination of certain important elements of ores, as sulfur, manganese, nickel, chromium and phosphorus. Instrumental analysis involving the use of photoelectric colorimeters, spectrophotometers, titrimeters and other instruments. *Prerequisite:* Chem 212 or 216.

MR. MITCHELL

CHEM 431—COLLOID CHEMISTRY—2 cr. (2 and 0)

The general characteristics of the colloidal state and surface phenomena including surface tension, adsorption and contact catalysis. *Prerequisite:* Chem 331 and 332.

MR. POLLARD

CHEM 432—COLLOID CHEMISTRY—2 cr. (2 and 0)

A continuation of Chem 431 including the preparation of colloidal solutions, gels and jellies, foams, fogs, emulsions and smokes. **MR. POLLARD**

CHEM 441—GLASS MANIPULATION—2 cr. (0 and 6)

A course designed to teach the fundamentals of glass manipulation and its application to the construction and repair of simple laboratory apparatus. *Prerequisite:* Senior standing. **MR. SCHIRMER**

CHEM 442—CHEMICAL LITERATURE—2 cr. (1 and 3)

This course is designed to give the student practice in the use of chemical literature, the writing of technical reports and the presentation of same before the faculty of the School of Chemistry. *Prerequisite:* Senior standing in Chemistry.

CHEM 443—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of Chemistry. This work must be carried out under the supervision of a qualified member of the staff. *Prerequisite:* Senior standing in Chemistry. **STAFF**

CHEM 444—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 443.

STAFF

CHEM 454—INORGANIC SYNTHESIS—2 cr. (0 and 6)

A laboratory course designed to acquaint the student with various methods and techniques employed in the preparation and handling of inorganic compounds. *Prerequisite:* Chem 401. **MR. SCHIRMER**

CHEM 462—TECHNICAL ANALYSIS—3 cr. (1 and 6)

This course is planned to give training and experience in the analysis of many industrial products including fertilizer analysis, organic and mineral analysis of feeding materials, complete water analysis, both mineral and sanitary and the chemical and optical analysis of sugar products. Assays of some of the vitamins include the use of photoelectric colorimeters and fluorophotometers. *Prerequisite:* Chem 411. **MR. MITCHELL**

CHEM 472—ORGANIC SYNTHESIS—4 cr. (1 and 9)

A review and more intensive study of representative classes of organic compounds. In this course reference is made to the current literature from which the student prepares reports and abstracts. The laboratory work consists of synthesis of more complex compounds. In this course the student is introduced to the methods of consulting Beilstein's "Handbuch der organischen chemie." *Prerequisite:* Chem 321 and Ger 102. **MR. CARODEMOS**

CHEM 473—ORGANIC MEDICINAL COMPOUNDS—2 cr. (2 and 0)

A study of Organic Compounds used as therapeutic agents, with emphasis on relationships between constitution and physiological activity. *Prerequisite:* Chem 222. **MR. DINWIDDIE**

CHEM 482—CHEMICAL THERMODYNAMICS—3 cr. (3 and 0)

This course is designed to present basic concepts of the fundamental thermodynamic quantities and their relationships as expressed by the three laws of thermodynamics. A working knowledge of these laws and their correlative functions, as applied to chemical processes, is given the student.

MR. HOBSON

CHEM 501—ADVANCED INORGANIC CHEMISTRY—4 cr. (4 and 0)

CHEM 520—BIOCHEMICAL ASPECTS OF ORGANIC CHEMISTRY—3 cr. (3 and 0)

CHEM 521—ADVANCED ORGANIC CHEMISTRY—4 cr. (4 and 0)

CHEM 523—QUANTITATIVE ORGANIC ANALYSIS—3 cr. (1 and 6)

CHEM 532—ADVANCED PHYSICAL CHEMISTRY—4 cr. (4 and 0)

CHEM 591—RESEARCH—3 cr.

CHEM 592—RESEARCH—3 cr.

CIVIL ENGINEERING

MR. LOWRY

MR. H. E. GLENN, MR. TRIVELY, MR. FORD, MR. J. D. GLENN,
MR. ROSTRON, MR. MOSS

CE 101—ELEMENTARY SURVEYING—2 cr. (1 and 3)

An introductory course given to all Engineering freshmen. This course comprises field and office computations involving the use of the tape, transit, level and leveling rod; the making of simple surveys and computing the areas.

CE 201—SURVEYING—2 cr. (2 and 0)

A detailed study of the construction of all surveying instruments, and methods of adjusting same; a comprehensive consideration of the mathematical principles involved in making surveys: computations involved in computing and subdividing areas. *Prerequisites:* Math 103, CE 101.

MR. MOSS

CE 202—SURVEYING—2 cr. (2 and 0)

This is a continuation of CE 201, and comprises the application of surveying principles to the various phases of surveying problems, including land surveying, topographic surveying, route surveying, mine surveying and hydrographic surveying. This course includes sufficient elementary astronomy for making solar or stellar observations for the determination of Azimuth and Time. *Prerequisite:* CE 201.

MR. MOSS

CE 203—TOPOGRAPHIC SURVEYING AND MAPPING—1 cr. (0 and 3)

The field and office work necessary to make a complete topographic map, including contours of a prescribed area. *Prerequisite:* CE 101, Math 103.

MR. MOSS

CE 205—CIVIL ENGINEERING PROBLEMS—2 cr. (1 and 3)

This course, designed to familiarize the student with simple problems in civil engineering, includes a review of the applications of trigonometric functions and logarithms, and a study of graphs, tables, and the slide rule. Some emphasis is given to a systematic analysis of problems and a neat and orderly arrangement of computations. *Prerequisites:* Math 103, 104 and registration in Phys 211.

MR. J. D. GLENN, MR. MOSS

CE 301—SURVEYING—4 cr. (0 and 12)

Care and adjustment of all surveying instruments; mathematical principles involved in making surveys; field and office work necessary to make a detailed map, including contours of a prescribed area; special surveying problems including solar and stellar observations. *Prerequisites:* Math 103, CE 101. (CE 301 taught in summer only.)

CE 305—ROUTE SURVEYING—3 cr. (2 and 3)

A study of the special problems which arise in connection with the location of a route for a railroad, highway, canal, sewer, water main or transmission line; the theory of simple, compound, and reversed curves; parabolic curves, transition, spiral, vertical, curves, railroad turnouts; computations of earthwork. Field work includes a route survey for a highway. *Prerequisite:* Accompanied or preceded by CE 301. (CE 305 taught in summer only.)

MR. TRIVELY

CE 307—ROADS AND PAVEMENTS—4 cr. (3 and 3)

Theory and practice in design, location, construction and maintenance of low cost, intermediate, and high type, road surfaces, including a study of physical properties of bituminous construction materials, and the standard tests for determining these properties. Highway economics and administration. Study of factors relating to highway construction methods and materials. *Prerequisite:* CE 305.

MR. ROSTRON, MR. MOSS

CE 309—STRESS ANALYSIS—2 cr. (0 and 6)

The computation of stresses in statically determinate structures. *Prerequisites:* Mech 302 and 306.

MR. LOWRY, MR. J. D. GLENN

CE 310—ELEMENTARY DESIGN—2 cr. (0 and 6)

The computation of the stress in truss members and girders; the design of structural parts and their connections. *Prerequisite:* CE 309 and Mech 304.

MR. TRIVELY, MR. J. D. GLENN

CE 312—STRUCTURAL DESIGN—3 cr. (1 and 6)

A study of steel structures with emphasis on the design and layout as applied to buildings. *Prerequisite:* Preceded or accompanied by Mech 304.

MR. TRIVELY, MR. J. D. GLENN

CE 317—MATERIALS AND METHODS OF CONSTRUCTION—3 cr. (3 and 0)

This course is intended to familiarize the student with the common materials and technical terms used in construction and the ways in which the materials are used. *Prerequisite:* Junior standing.

MR. LOWRY, MR. J. D. GLENN

CE 319—GENERAL PHOTOGRAMMETRY—3 cr. (2 and 3)

An introduction to the fundamentals of mapping by use of aerial photographs. A study of the characteristics and uses of aerial photographs, detailed interpretation and simple photogrammetric instruments such as the stereocomparagraph. Practice in use of simple mapping instruments, problems in scale determination, construction of photomosaics. *Prerequisite:* CE 203.

MR. ROBINSON

CE 401—STRUCTURAL DESIGN—3 cr. (2 and 3)

The computation of stresses, and the detailed design of a steel highway bridge. *Prerequisite:* CE 310.

MR. TRIVELY

CE 402—STRUCTURAL ANALYSIS—2 cr. (2 and 0)

Analysis of statically indeterminate structures by the method of moment distribution. *Prerequisite:* CE 310.

MR. J. D. GLENN

CE 409—REINFORCED CONCRETE STRUCTURES—4 cr. (3 and 3)

Study of mechanics of reinforced concrete, beams, slabs, columns and footings. Designs and estimates of concrete structures. A study of the standard tests for determining the properties of materials used in reinforced concrete construction. *Prerequisite:* Mech 304 and 306.

MR. LOWRY, MR. TRIVELY, MR. FORD

CE 410—MUNICIPAL AND SANITARY ENGINEERING—4 cr. (3 and 3)

A study of the procedure necessary to supply an adequate amount of potable water for public or private purposes; and the design and construction of sewerage systems and sewage treatment plants. *Prerequisite:* Mech 401.

MR. FORD

CE 411—ENVIRONMENTAL SANITATION—3 cr. (3 and 0)

This course covers the sanitary problems created by the handling of milk and food, insect and rodent control, industrial hygiene, and housing. *Prerequisite:* Senior standing.

MR. FORD

CE 412—REINFORCED CONCRETE DESIGN—2 cr. (0 and 6)

The complete analysis and design of a reinforced concrete bridge or building. *Prerequisite:* CE 409.

MR. TRIVELY

CE 414—SOIL MECHANICS—3 cr. (2 and 3)

Study of mechanical and physical properties of soils and their relation to soil action in problems of engineering, such as classification, permeability, shearing strength, consolidation, stress distribution and bearing capacity of soils. *Prerequisite:* Mech 304.

MR. ROSTRON

CE 417—CITY PLANNING—2 cr. (2 and 0)

A study of the special problems, confronting a city engineer, which are not specifically of an engineering nature, but for the solution of which the public looks to the city officials; viz. street systems, traffic control, parking facilities, railroad and water traffic problems, airports, parks and playgrounds and zoning; legal problems involved. *Prerequisite:* Senior standing.

MR. MOSS

CE 420—CONCRETE MIXES—1 cr. (0 and 3)

Investigation and selection of aggregates for concrete; latest methods of design of concrete mixes; field control and adjustments; air-entrained concrete; field trips to nearby construction jobs. *Prerequisite:* Preceded or accompanied by CE 409. Mr. LOWRY

CE 421—CONTRACTS—2 cr. (2 and 0)

A study of the legal requirements and principles involved in the construction problems which confront the civil engineer. *Prerequisite:* Junior standing. Mr. J. D. GLENN, Mr. MOSS

CE 432—CONSTRUCTION PRACTICES—2 cr. (2 and 0)

This course is designed to acquaint the student with the various problems encountered in modern construction from the preliminary layout to the final inspection and acceptance by the owner, the various types of mechanical equipment used, labor and time-saving methods. *Prerequisite:* CE 317 or Arch 215. Mr. LOWRY

CE 434—CONSTRUCTION COSTS AND ESTIMATES—3 cr. (2 and 3)

This course covers the interpretation of specifications and plan reading necessary for the proper estimation of quantities of materials and costs of engineering structures. The course is presented from both the designer's and the constructor's viewpoint in order to fit the young engineer with the essential details an inspector or a construction engineer should have at his command. *Prerequisite:* Senior standing. Mr. LOWRY

CE 452—ADVANCED STRUCTURAL ANALYSIS—2 cr. (2 and 0)

A study of the various methods for computing the deflections of beams and trusses. *Prerequisite:* CE 310. Mr. TRIVELY

CE 499—THESIS—1-3 cr.

Civil Engineering students of exceptional ability, with the permission of the Head of the Civil Engineering Department, may choose as an elective the preparation and submission of a thesis covering some phase of Civil Engineering. This thesis may be either an independent experimental investigation entered into with the hope of discovery of new engineering knowledge, or the independent prosecution of some already somewhat stabilized problem in engineering design. Those students who desire to submit a thesis, as a part of their free electives, must present to the Head of the Civil Engineering Department not less than one month prior to the opening of the semester during which the thesis work is intended to be done, a complete outline of the work contemplated in the proposed thesis and the projected method of procedure. (Amount of credit given depends upon the nature of the subject, the amount of time devoted to it, and the quality of the work.) Mr. LOWRY

CE 501—ADVANCED STRUCTURAL ENGINEERING—3 cr. (2 and 3)

CE 502—ADVANCED STRUCTURAL ENGINEERING—3 cr. (2 and 3)

CE 503—MODEL ANALYSIS—3 cr. (2 and 3)

CE 510—HIGHWAY SAFETY AND TRAFFIC CONTROL—3 or 2 cr. (3 and 0)
or (2 and 0)

CE 511—HIGHWAY DESIGN—3 cr. (2 and 3)

CE 519—HIGHWAY RESEARCH—2 to 4 cr.

CE 520—CONCRETE MIXES AND MATERIALS—3 cr. (2 and 3)

CE 531—SOIL ENGINEERING—3 cr. (2 and 3)

CE 591—RESEARCH—3 cr.

CE 592—RESEARCH—3 cr.

DAIRY DEPARTMENT

MR. LAMASTER

MR. GOODALE, MR. KING, MR. BRANDT, MR. BRANNON, MR. HURST,
MR. O'DELL

DAIRY 201—INTRODUCTORY DAIRYING—3 cr. (2 and 3)

A course designed to give a practical working knowledge of dairy husbandry and dairy products. Studies include history of dairying, dairy breeds, feeds and feeding, judging dairy animals, dairy farm buildings, quality milk production, testing milk and some of its products, the manufacture of milk products, and the value of milk and milk products.

MR. O'DELL

DAIRY 302—DAIRY TECHNOLOGY AND ENGINEERING—3 cr. (2 and 3)

The chemical and physical properties of milk and milk products are studied in the classroom and laboratory as they apply to the processing of dairy products. Some of the dairy engineering subjects studied are: Heat measurement, transfer and control; power transmission, electrical power and equipment, hydraulics and pumping, steam and its use in the dairy, refrigeration, insulation, heaters and coolers, ice cream equipment, homogenizers, pasteurizing equipment, evaporating and drying equipment, washing and sterilizing equipment fillers, equipment maintenance, general mechanics, and dairy plant design and layout. *Prerequisite:* Junior standing.

MR. GOODALE

DAIRY 304—JUDGING DAIRY PRODUCTS—1 cr. (0 and 3)

A practice course to develop skill in the evaluation of the physical properties of milk and milk products. Milk, cream, ice cream, butter, and cheese are judged by accepted modern methods to prepare students for better quality control practices. *Prerequisite:* Dairy 302.

MR. GOODALE

DAIRY 305—DAIRY CATTLE JUDGING—1 cr. (0 and 3)

Students are given an understanding of dairy form, breed type, and relations between form and function of dairy cattle. Emphasis is placed on the score card, show ring requirements and classifications, fitting dairy cattle for show and sale, values as influenced by form, buying dairy cattle, practice in judging Brown Swiss, Guernsey, Holstein, and Jersey cattle of all ages. *Prerequisite:* Junior standing.

MR. BRANNON

DAIRY 306—MARKET MILK—3 cr. (3 and 0)

This course is designed to give a comprehensive understanding of the care and handling of market milk, the following subjects are studied: History and development of the market milk industry, composition of milk and its properties, microorganisms, enzymes and cells of milk and cream, milk and public health, safeguarding the milk supply, sanitary production of market milk, construction and arrangement of buildings (farm and station) transportation of milk, flavors of milk, construction and arrangement of city milk plants, milk plant operation, pasteurization of milk, cooling systems, creaming, separation, special milk products, business management, the dairy laboratory, dairy mathematics. *Prerequisite:* Dairy 201.

MR. GOODALE

DAIRY 308—ADVANCED DAIRY CATTLE JUDGING—1 cr. (0 and 3)

This course is a continuation of Dairy 305 to provide more practice in judging cattle form in relation to reproduction and milk production. The study of dairy cattle behavior and management are included in this course. *Prerequisite:* Dairy 305.

MR. BRANNON

DAIRY 309—ANIMAL NUTRITION—3 cr. (3 and 0)

A chemical and physiological treatment of digestion, absorption and metabolism of nutrients. The physiology of and nutritional requirements for body maintenance, growth, reproduction and lactation of dairy cattle. *Prerequisite:* Ag Ch 220.

MR. KING

DAIRY 352—ADVERTISING AND MARKETING—3 cr. (3 and 0)

In this course giving the fundamentals in important fields of sales and marketing, the following topics are studied: Evolution of advertising, advertising allied with journalism, rise of national advertising, social aspects of advertising, advertisers' policies and objectives, modern advertising procedure, marketing research, names, trade marks, packages, psychology of selling, incentives to attention, incentives to interest, establishing associations, building the advertisement, substance of advertising copy, typography, illustrations and color, layout and visualization, advertising program, advertising production, media, radio advertising. *Prerequisite:* Junior standing.

MR. GOODALE

DAIRY 354—ENDOCRINOLOGY—3 cr. (3 and 0)

This course includes a study of the anatomy and physiology of the glands of internal secretion. The chemistry of the hormones is considered. Emphasis is placed on the relationship of the endocrine glands to growth, reproduction, and lactation. *Prerequisite:* Junior standing.

MR. HURST

DAIRY 401—DAIRY MANUFACTURES—3 cr. (2 and 3)

A thorough study is made of the manufacture of creamery butter, and the processing of soft cheeses. Some of the topics covered are: History of butter-making, care of cream on the farm, buying and grading cream, inspection and testing methods, neutralization, pasteurization, starters and ripening, churning, and all subsequent processes until butter is ready for market, composition control, butter scoring, butter storage, marketing butter, refrigeration and sanitation. Studies are conducted on complete processing methods for common varieties of soft cheeses. *Prerequisite:* Dairy 201 and 302.

MR. GOODALE

DAIRY 402—DAIRY MANUFACTURES—4 cr. (2 and 6)

A study of ice cream manufacture and related problems of producing condensed and powdered milks. Some subjects covered are: History of ice cream making, classification of frozen products, composition, ingredients used, standardization of mixes, processing mixes, testing, freezing, whipping defects in ice cream, packaging, hardening, shipping sugars, egg products, stabilizers, chocolate products, vanillas, fruits, ices, sherbets, specials, costs and merchandising, ice cream as a food, and bacteriology of ice cream. *Prerequisite:* Dairy 201 and 302.

MR. GOODALE

DAIRY 405—DAIRY CATTLE BREEDING—3 cr. (2 and 3)

The student is given an understanding of the methods used in developing and improving the breeds of cattle. Principal topics are: Breed history, advanced register, pedigrees, methods of indexing proved sires, statistical study of the relations of environment to production. *Prerequisite:* Genetics.

MR. LAMASTER

DAIRY 409—DAIRY SEMINAR—2 cr. (2 and 0)

Special research problems in production and manufactures are studied. Individual topics not fully covered in class work are assigned for special reports before class and Dairy Staff. *Prerequisite:* Senior standing.

STAFF

DAIRY 410—DAIRY SEMINAR—2 cr. (2 and 0)

This course is a continuation of Dairy 409 with emphasis on current research literature. Each student is required to conduct a research project in production or manufactures and report the exposition of the results by thesis. *Prerequisite:* Senior standing.

STAFF

DAIRY 452—DAIRY CATTLE FEEDING AND MANAGEMENT—3 cr. (2 and 3)

This course gives the fundamental principles in the care, feeding, and management of dairy cattle of all ages. Principal topics include: General considerations in selecting a breed, selecting the individual cow, calf raising, growth and development, raising dairy heifers, care and management of the milking herd, milking factors, feeding for milk production, stables for cows, dairy barn equipment and handling manure. *Prerequisite:* Senior standing.

MR. LAMASTER

DAIRY 501—TOPICAL PROBLEMS—1 to 3 cr.**DAIRY 502—GENETICS OF DAIRY CATTLE IMPROVEMENT—3 cr. (3 and 0)****DAIRY 503—PHYSIOLOGY OF REPRODUCTION AND MILK SECRETION—3 cr. (3 and 0)****DAIRY 505—NEWER KNOWLEDGE OF ANIMAL NUTRITION—3 cr. (3 and 0)****DAIRY 591—RESEARCH—3 cr.****DAIRY 592—RESEARCH—3 cr.**

DRAWING AND DESIGNING

MR. SHIGLEY

MR. BRADBURY, MR. MCHUGH, MR. BANISTER, MR. CARTER, MR. HUGHES
MR. HAMMOND

DD 101—FREEHAND DRAWING—1 cr. (0 and 3)

A study of the principles of technical sketching, including the development of skills in technical lettering and freehand drawing.

DD 102—TECHNICAL DRAWING—1 cr. (0 and 3)

A study of the elementary principles of multi-view projection with emphasis upon the reading of technical drawings rather than upon their execution. *Prerequisite:* DD 101.

DD 105—ENGINEERING DRAWING—2 cr. (0 and 6)

A comprehensive study of the language of the engineer. The course includes lettering, use of instruments, technical sketching, multi-view drawing, auxiliary projection, sectional views, dimensioning, fasteners, pipe drawings, and simple detail and assembly drawings.

DD 106—ENGINEERING DRAWING—2 cr. (0 and 6)

A continuation of DD 105. The course includes detail and assembly drawings, welding drawings, pictorial drawings, simple problems involving the point, line, and plane in descriptive geometry, structural drawing, and developments and intersections of plane and curved surfaces. *Prerequisite:* DD 105.

DD 205—APPLIED DESCRIPTIVE GEOMETRY—3 cr. (2 and 3)

A study of the theory of orthographic projection and its application to the graphical solution of three-dimensional space problems. A wide variety of practical problems are solved including problems dealing with points, lines, planes, single curved surfaces, and double curved surfaces. *Prerequisite:* DD 106

DD 305—KINEMATICS OF MACHINES—2 cr. (1 and 3)

A study of cams, linkages, and related mechanisms. The determination of velocities and accelerations in simple machines. A comprehensive study of toothed gearing, simple and planetary gear trains and miscellaneous mechanisms. *Prerequisite:* DD 106. Must parallel or follow Mech 303.

MR. SHIGLEY, MR. BRADBURY, MR. MCHUGH, MR. HAMMOND

DD 306—MACHINE DESIGN—2 cr. (1 and 3)

A study of the various "factors" which influence the design engineer's decision upon the size, material, or shape of a machine part, and its location in a machine. Review of materials and processes from the standpoint of design. The design of various machine elements. A selected group of laboratory problems to bring out the student's judgment, initiative, and ingenuity, and to unite all his previous experience and studies and focus them towards the solution of each problem *Prerequisite:* DD 305. Must parallel or follow Mech 304.

MR. SHIGLEY, MR. BRADBURY, MR. MCHUGH, MR. HAMMOND

DD 460—MECHANICAL VIBRATIONS—3 cr. (3 and 0)

A study of mechanical vibrations with emphasis upon the solution of practical problems in the design and construction of machinery and structures. The study includes free vibrations with and without damping; forced vibrations; systems of one, two, and many degrees of freedom; Poyleigh's method applied to linear vibrations; Halzer's method applied to torsional vibrations; equivalent systems; measuring instruments; absorbers and dampers; the seismograph; self-excited vibrations; non-linear systems. *Prerequisite:* Mech 303 and 304.

MR. SHIGLEY

DD 461—PHOTOELASTICITY—2 cr. (1 and 3)

A method of determining exact stresses and areas of stress concentration in complex shapes with both static and dynamic loading. The course includes study of the polariscope, development of fundamental relations, practice in the use of the photoelastic method, and finally original research on a project chosen by the instructor.

ECONOMICS

*MR. BIGGS, MR. TREVILLIAN, MR. WOOD, MR. DAIL, MR. DAVIS,

*MR. MACAULAY

ECON 201—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

This course, with its continuation, Econ 202, furnishes a basic introduction to the science of economics. Beginning with an examination of fundamental concepts, the course deals with principles of production and exchange, business organization and combination, and principles of money, banking and credit. Special emphasis is given to current economic problems.

ECON 202—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

Continuation of Econ 201 with special attention to the distribution of national income, value and price, foreign trade and exchange, economic problems of government such as taxation and government spending. Comparison is made of the economic structures of capitalism, socialism and communism. Consideration is given to current economic problems. *Prerequisite:* Econ. 201.

ECON 301—LABOR PROBLEMS—3 cr. (3 and 0)

Studies in the development of present-day labor conflict and causes of industrial unrest. An analytical survey is made of such aspects as unemployment, low wages, industrial accidents and diseases, intervention of the State in behalf of the worker and the status of the worker in modern industrial society. Trade unionism and collective bargaining are contrasted with state legislation as devices for dealing with these problems. *Prerequisite:* Econ 201 and 202.

MR. WOOD

ECON 302—MONEY AND BANKING—3 cr. (3 and 0)

A survey of the financial organization of society. Consideration of monetary systems, foreign exchange, credit instruments and principal types of financial

* On leave.

institutions. Problems of credit control, monetary stabilization, banking regulation and reform are given special emphasis. *Prerequisite:* Econ 201 and 202.

MR. TREVILLIAN

ECON 312—COMMERCIAL LAW—3 cr. (3 and 0)

An introduction to law in its application to business. Special emphasis is given to legal principles and court opinions relating to contracts, personal property, negotiable instruments and related topics. *Prerequisite:* Junior standing.

ECON 401—ELEMENTARY ACCOUNTING—3 cr. (3 and 0)

Practice in handling real and nominal accounts, together with an introduction to the use of various types of books of original entry, statements of profit and loss, and balance sheets. The work of the course consists of lectures and problems. *Prerequisite:* Econ 201 and Junior standing.

EDUCATION

MR. WASHINGTON

MR. BOOKER, MR. BROCK, MR. MONROE, MR. WHITE, MR. BOWEN,
MR. GENTRY, MR. KIRKLEY, MR. STRIBLING

EDUC 101—ORIENTATION—1 cr. (1 and 0)

The purpose of this course is to aid the freshman in adjusting himself to the college environment and his course of study.

STAFF

EDUC 301—INTRODUCTION TO EDUCATION—3 cr. (3 and 0)

This course includes the principles of Education, the aims, purposes, and objectives of Vocational Education; and the basic principles underlying the development of programs of instruction for the various groups of farm people.

MR. KIRKLEY

EDUC 302—EDUCATIONAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the nature, capacities, equipment, growth and development of the learner, the role of the environment, the nature and promotion of learning, the growth and maturity of personality and the evaluation of progress in education.

MR. STRIBLING

EDUC 305—PRINCIPLES OF EDUCATION—3 cr. (3 and 0)

A study is made of the principles and practices of general and vocational education, characteristics of learning, knowledge and thinking ability, motor, moral, and appreciative reactions, choice of subjects and activities, influence of age, maturity and individual differences, appraising results of education.

MR. WASHINGTON, MR. WHITE

EDUC 307—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The purpose of this course is to develop an industrial background for the teacher who is to have charge of a comprehensive industrial program in a community where an effort is being made to train young men and adult industrial workers in the individual skills of productive employment in industrial occupations. This includes woodworking, painting, metal working, and draft-

ing, and also the interplay of skills between these as adapted to teaching situations. MR. BROCK

EDUC 308—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The student is required to select his projects, furnish materials, make preliminary plans and sketches for them, and have these approved by the instructor. At the completion of each project in the laboratory the student is carefully examined concerning the work he has done. MR. BROCK

EDUC 332—ORGANIZATION OF COURSES OF STUDY—3 cr. (3 and 0)

A study is made of purpose, scope, and use of job analysis in writing courses of study, writing and using instruction sheets for teaching, constructing achievement tests in industrial subjects. The student is required to select some subject and write a course of study based upon analyses of work covered under that subject. Prospective teachers are urged to select subjects which they expect to teach later. MR. BROCK

EDUC 401—METHODS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

In this course, problems in teaching vocational agriculture in high school teaching are considered. Some of the problems are as follows: Organizing the teaching program; planning the course of study; making lesson plans; conducting field trips; farm shop work; Future Farmer work; supervised practice programs; and visual aids. MR. MONROE

EDUC 402—DIRECTED TEACHING IN INDUSTRIAL SUBJECTS—6 cr. (1 and 15)

A study is made of organizing class, selection of teaching materials, planning work, discipline, teaching methods, examinations and grading, cooperation with school personnel, records and reports, inventories, and upkeep of equipment. Each student teacher periodically is given an opportunity to teach some industrial subject. During his teaching period, he is responsible for his class just as if he were an employed teacher of that subject, including conforming to the high school schedule and registration period (see page . . .). *Prerequisite:* Six semester credits in Professional Education, and approval of instructor. MR. BROCK

EDUC 403—DIRECTED TEACHING: ALL-DAY CLASSES—3 cr. (0 and 9)

The purpose of this course is to develop the ability of prospective teachers to organize courses in vocational agriculture based on community farm problems and practices, to conduct classes in accordance with sound educational principles of teaching, to gain experience in teaching, and to develop confidence in themselves as teachers. During the course, opportunity is given to observe and teach in high school departments of vocational agriculture, under the supervision of the local teacher and a member of the agricultural education faculty (see page . . .). *Prerequisite:* This course should follow or be taken concurrently with Educ 401. AGRICULTURAL EDUCATION STAFF

EDUC 404—DIRECTED TEACHING: ADULT GROUPS—3 cr. (0 and 9)

This course should be taken concurrently with Educ 403. In it farmers' practices are secured and evaluated, pertinent information organized and taught. The supervision of the improvement of the farming practices of adult

or special groups of farmers is given careful consideration, as well as teaching farmers to secure and use the cannery, shop and other community services.

AGRICULTURAL EDUCATION STAFF

EDUC 412—DIRECTED TEACHING IN HIGH SCHOOL SUBJECTS—6 cr. (1 and 15)

Supervised practice teaching is given in the natural and physical sciences, mathematics, civics, etc., in order to develop skill in the best methods of teaching these subjects. (Enrollment is by individual approval and may be dependent upon observing the high school schedule including registration. (See page ...)) A study is made of selection of subject-matter, planning work, methods of teaching, examinations, grading, discipline, cooperation with school personnel, records, and reports. *Prerequisite:* Six semester credits in Professional Education, and approval of instructor.

MR. GENTRY

EDUC 415—ADMINISTRATION OF VOCATIONAL AND OTHER SCHOOLS—3 cr. (3 and 0)

A course intended to acquaint the prospective teacher with modern administration technique in public education. Topics covered include: The public school curriculum, the administration of vocational departments, the duties of the principal and his relationship to the school board. Attention is also given to certain legal phases of school administration.

EDUC 421—COORDINATION METHODS IN VOCATIONAL EDUCATION—2 cr. (2 and 0)

A study is made of the major occupations in the United States and in South Carolina in order that prospective teachers may become informed as to possibilities in them and more intelligently give guidance to high school students. A survey is made of the youth problem, employment trends, general industrial conditions, kind of men industries want, survey of industrial plants, testing for mechanical aptitude, organizing occupations course in high school.

MR. BOOKER

EDUC 422—PROBLEMS IN ADULT EDUCATION—3 cr. (3 and 0)

This course should follow or be taken concurrently with Educ 404. Determining the needs, securing and organizing necessary instructional material, planning lessons; teaching and supervising adult farmers or special groups receive major emphasis. The use of surveys, visual aids, publicity, school canneries, shop and other community services is included.

MR. BOWEN, MR. KIRKLEY

EDUC 424—TECHNIQUE OF TEACHING—3 cr. (3 and 0)

The purpose of this course is to acquaint the prospective teacher with the most significant problems in trade and industrial teaching, to propose solutions for these problems consistent with most authoritative information available. The course covers methods of teaching mathematics, science and other appropriate subject-matter; organizing classes; selection of equipment and tools; ways of securing materials and supplies for school shop; introducing, financing, and advertising a shop program; methods of teaching; and discipline.

MR. GENTRY

EDUC 458—HEALTH EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide prospective teachers with information which is needed in order that they may cooperate effectively with public health agencies in the promotion of improvement in the health of school pupils. Emphasis is placed on problems of sanitation, nutrition, personal hygiene, health records, and immunization. A study of safety practices is also included.

MR. GENTRY

EDUC 497—AUDIO-VISUAL AIDS IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide opportunities for study and use of moving pictures, film strips, cameras, photographs, charts, maps, globes, recording and sound devices, x-rays, radio, and other devices for preparing material and for teaching.

MR. BROCK

EDUC 501—RECENT DEVELOPMENTS IN THE TECHNOLOGY OF AGRICULTURE—3 cr. (3 and 0)**EDUC 502—RECENT DEVELOPMENTS IN THE TECHNOLOGY OF AGRICULTURE—3 cr. (3 and 0)****EDUC 503—ADVANCED METHODS IN TEACHING—3 cr. (2 and 3)****EDUC 504—SPECIAL PROBLEMS IN TEACHING VOCATIONAL AGRICULTURE—3 cr. (2 and 3)****EDUC 505—OCCUPATIONAL GUIDANCE AND PLACEMENT—3 cr. (3 and 0)****EDUC 506—HISTORY AND PHILOSOPHY OF EDUCATION—3 cr. (3 and 0)****EDUC 508—EDUCATIONAL TESTS AND MEASUREMENTS—3 cr. (3 and 0)****EDUC 511—PUBLIC SCHOOL ADMINISTRATION (FINANCE)—3 cr. (3 and 0)****EDUC 517—AUDIO-VISUAL AIDS IN TEACHING—3 cr. (2 and 3)****EDUC 520—TEACHING YOUNG FARMERS—3 cr. (3 and 0)****EDUC 521—ADULT EDUCATION DEVELOPMENT AND ADMINISTRATION—3 cr. (3 and 0)****EDUC 561—ADMINISTRATION AND SUPERVISION OF VOCATIONAL EDUCATION—3 cr.****EDUC 591—RESEARCH IN EDUCATION—3 cr.****EDUC 592—RESEARCH IN AGRICULTURAL EDUCATION—3 cr.****EDUC 594—RESEARCH IN EDUCATION—3 cr.****EDUC 596—RESEARCH IN INDUSTRIAL EDUCATION—3 cr.**

ELECTRICAL ENGINEERING

MR. RHODES

MR. TINGLEY, °MR. HALLMARK, MR. KIRKWOOD, °MR. ADAMS, °MR. GILES,
MR. GOODIN, MR. JONES, MR. KERSEY, °MR. LONG, MR. POE,
MR. BALL, MR. BELLAMY

EE 211—ELECTRIC CIRCUITS—3 cr. (3 and 0)

An introductory course in fundamental theory of electric and magnetic circuits with illustrative applications to electrical apparatus. *Prerequisite:* Enrollment in Math 203 and Phys 211 and 213. MR. JONES

EE 212—ELECTRIC FIELDS—3 cr. (2 and 3)

A continuation of EE 211 embracing the study of electromagnetic and dielectric fields and simple transients, and including a correlated laboratory course. *Prerequisite:* EE 211; Phys 211, 213; and enrollment in Math 204, Phys 214 and 216. MR. RHODES, MR. JONES

EE 303—ELECTRIC CIRCUITS AND MACHINES—4 cr. (3 and 3)

An elementary course in circuits and machines and their applications in industry. Planned for Chemical Engineering, Ceramic Engineering, Civil Engineering, Agricultural Engineering and Industrial Education students. *Prerequisite:* All mathematics and physics courses listed in the respective curricula in which EE 303 is required. MR. POE

EE 304—VOCATIONAL ELECTRICITY—2 cr. (1 and 3)

A brief course designed to assist Industrial Education students in planning electrical courses for high school students. *Prerequisite:* EE 303. MR. JONES

EE 307—DIRECT CURRENTS AND MACHINES—4 cr. (3 and 3)

Fundamental theory of direct-currents and machines with special emphasis on operating characteristics and industrial applications. *Prerequisite:* Math 203 and 204; Phys 211, 212, 213, and 214. MR. GOODIN

EE 308—ALTERNATING-CURRENT CIRCUITS AND MACHINES—4 cr. (3 and 3)

A continuation of EE 307 designed for a similar study of alternating currents and machines with typical industrial applications. *Prerequisite:* EE 307.

EE 311—DIRECT-CURRENT MACHINERY—4 cr. (3 and 3)

The theory, construction, and operating characteristics of direct generators, motors and control equipment, accompanied by a coordinated series of laboratory tests. *Prerequisite:* EE 211 and 212. MR. KERSEY

EE 315—ALTERNATING-CURRENT CIRCUITS—3 cr. (3 and 0)

A comprehensive study of alternating-current fundamentals. Use of the vector algebra method of solution of circuit problems. *Prerequisite:* EE 211 and 212. MR. KERSEY

° On leave.

EE 316—ALTERNATING-CURRENT CIRCUITS—4 cr. (3 and 3)

A continuation of EE 315 including the solution of problems involving non-sinusoidal currents, coupled circuits and balanced and unbalanced poly-phase systems. Coordinated laboratory experiments included. *Prerequisite:* EE 315. MR. POE

EE 320—ELECTRONICS—4 cr. (3 and 3)

An introduction to electron tubes and circuits. Embraces thermionic emission, vacuum and gas filled tubes, photo-sensitive devices, cathode-ray tubes and rectifiers. Includes laboratory investigations and demonstrations. *Prerequisite:* EE 315; and enrollment in EE 316. MR. KIRKWOOD

EE 405—ELECTRICAL DESIGN—1 cr. (0 and 3)

The application of fundamental principles of electric and magnetic circuits through a series of design problems correlating with direct-current and alternating-current machinery courses. *Prerequisite:* EE 311, and enrollment in EE 411. MR. RHODES

EE 406—ELECTRICAL DESIGN—1 cr. (0 and 3)

A continuation of EE 405 with specific application to synchronous and induction machinery problems. *Prerequisite:* EE 411. MR. RHODES

EE 411—ALTERNATING-CURRENT MACHINERY—5 cr. (3 and 6)

The application of fundamental circuit theory to alternating-current machinery. Study of the construction, theory, and operating characteristics of transformers and synchronous generators and motors. *Prerequisite:* EE 311, 316. MR. TINGLEY

EE 412—ALTERNATING-CURRENT MACHINERY—4 cr. (3 and 3)

A continuation of EE 411 covering the theory, operating characteristics and industrial applications of induction motors, converters, and the principal types of commutator motors. *Prerequisite:* EE 411.

MR. RHODES, MR. TINGLEY

EE 415—ADVANCED CIRCUITS—3 cr. (3 and 0)

A continuation of EE 315 and EE 316 embracing studies of transmission line calculations, electric filters, symmetrical components and power short-circuit calculations. *Prerequisite:* EE 316. MR. RHODES

EE 422—ELECTRIC DISTRIBUTION—2 cr. (2 and 0)

Technical and economic features of electrical power distribution systems for urban and rural areas. Includes reference studies. *Prerequisites:* EE 311, 316 and enrollment in EE 411. MR. TINGLEY

EE 425—ELECTRIC TRANSIENTS—3 cr. (2 and 3)

A course, largely experimental, covering physical phenomena and mathematical analysis of electric circuits and machines in transient state. Open to a limited number of advanced Electrical Engineering students. *Prerequisite:* EE 316, Math 306 and enrollment in EE 411. MR. TINGLEY

EE 427—ADVANCED A.C. MACHINERY—3 cr. (3 and 0)

Supplementary to EE 411 and EE 412 and covering special and more complex features of alternating equipment. Planned for Electrical Engineering students electing Electric Power engineering. *Prerequisite:* EE 411, and enrollment in EE 412.

MR. RHODES

EE 431—RADIO COMMUNICATION—4 cr. (3 and 3)

A study of the component circuits involved in radio communication systems; audio and radio frequency amplifiers, detectors, oscillators, amplitude modulation systems, power supplies and transmitter and receiver circuits. *Prerequisite:* EE 316, 320, and enrollment in EE 415.

MR. BELLAMY

EE 432—RADIO COMMUNICATION—4 cr. (3 and 3)

A continuation of EE 431. Includes frequency modulation, antennas and radio frequency transmission lines, ultra high frequency oscillators and detectors, and elementary acoustics and sound systems. *Prerequisite:* EE 431.

EE 434—INDUSTRIAL ELECTRONIC CONTROLS—3 cr. (2 and 3)

The theory and application of electronics to industrial control equipment. Includes fundamentals of servo-mechanisms, speed and voltage regulators, power rectifiers, high frequency heating, photo-electric control, x-ray control, etc. *Prerequisite:* EE 308 or 411.

MR. TINGLEY

EE 436—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations, wave guides, radiation, antennas and propagation of waves in space. *Prerequisite:* EE 431.

EE 501—ADVANCED ELECTRIC TRANSIENTS—3 cr. (2 and 3)

EE 511—ELECTRIC POWER STATIONS—3 cr. (3 and 0)

EE 520—ULTRA-HIGH FREQUENCY TECHNIQUES—4 cr. (3 and 3)

EE 521—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)

EE 591—RESEARCH—3 cr.

EE 592—RESEARCH—3 cr.

ENGLISH

MR. H. M. COX

MR. J. C. GREEN, MR. KINARD, MR. LANE, MR. OWINGS, MR. TAYLOR,

MR. C. B. GREEN, MR. MACINTOSH, MR. BENNETT, *MR. CASKEY,

MR. FELDER, MR. GOLDBAR, MR. HOLT, MR. MCGEE, MR. POWELL,

MR. PURSER, MR. TYNER, MR. WATSON, MR. WILSON,

MR. WINTER, *MR. J. T. COX, MR. VAN FOSSEN

ENCL 100—REMEDIAL ENGLISH—Non-credit (3 and 0)

A refresher course for students failing the placement test for English 101; a thorough review of grammar, punctuation, and sentence structure with drill in general correctness.

* On leave.

ENGL 101—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A course intended to train the student in correct and effective expression. *Prerequisite:* Satisfactory score on the English placement test or successful completion of Engl 100.

ENGL 102—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A continuation of the work of English 101 with special attention to longer pieces of expository writing. *Prerequisite:* Engl 101.

ENGL 203—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A study of the chief authors and works in English literature from *Beowulf* to the beginning of the Romantic movement. *Prerequisite:* Engl 102.

ENGL 204—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A continuation of English 203 including a study of the chief authors of the Romantic and Victorian periods. *Prerequisite:* Engl 102.

ENGL 300—ENGLISH AT WORK—1 to 4 cr.

A study of the duties and responsibilities assumed by students who edit uncensored publications. Professional journalists and other qualified individuals from the campus and elsewhere lead the discussions and offer constructive criticism. As often as practicable, the most recent issue of a student publication is selected for discussion. Enrollment is limited to staff members of student publications. Extra credits by approval of Faculty Adviser only. *Prerequisite:* Engl 102.

MR. LANE

ENGL 301—PUBLIC SPEAKING—3 cr. (3 and 0)

A course of practical training in public speaking: the improvement of articulation, voice, and platform presence; the writing and delivery of short speeches; impromptu and extemporaneous speaking and debating; dummy broadcasting and drill with recording equipment for improvement in voice and oral composition. *Prerequisite:* Engl 203 and 204.

ENGL 305—EXPOSITORY WRITING—3 cr. (3 and 0)

Training in the processes of expository writing or explanation; the qualities and tools of exposition; various forms of expository writing. *Prerequisite:* Engl 203 and 204.

MR. PURSER

ENGL 400—THE THESIS—1 cr. (0 and 3)

A course in practical guidance to the student in making research and presenting the results in proper form; statement of the problem with origin and history; object and scope of the investigation; application of results; plan of procedure. (To be prepared under the direction of a member of the School of Arts and Sciences and approved by him, as to content, and by a member of the English Department, as to form.) *Prerequisite:* Engl 203 and 204.

ENGL 405—SHAKESPEARE—3 cr. (3 and 0)

To give the student as comprehensive an acquaintance as possible with Shakespeare's plays and some understanding of his development as a dramatist. *Prerequisite:* Engl 203 and 204.

MR. TAYLOR

ENGL 406—SHAKESPEARE—3 cr. (3 and 0)

A continuation of the work as outlined in Engl 405. *Prerequisite:* Engl 203 and 204. MR. TAYLOR

ENGL 409—CHAUCER—3 cr. (3 and 0)

A study of the language, verse forms, and stories of Chaucer; reading from the *Prologue* and the *Canterbury Tales*; supplementary reading of historical and critical authors. *Prerequisite:* Engl 203 and 204.

ENGL 410—CHAUCER—3 cr. (3 and 0)

Continuation of the work of English 409 with wider reading in the works of Chaucer; reading of *Troilus* and *Creiseyde* with a study of motivation for the love casuistry and tragic element of the poem. *Prerequisite:* Engl 409.

ENGL 415—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Aeschylus to Ibsen, analysis of representative plays, writing of critical reports, practice in classroom reading of great scenes. *Prerequisite:* Engl 203 and 204. MR. LANE

ENGL 416—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Ibsen to the present days, analysis of representative plays, writing of critical reports, classroom reading of great scenes, and discussion of all important aspects of modern drama. *Prerequisite:* Engl 203 and 204. MR. LANE

ENGL 419—SELECTED MASTERPIECES—3 cr. (3 and 0)

A study of a variety of literary masterpieces, principally from English literature but including some world literature in English translation, with emphasis on acquaintance with and appreciation of individual outstanding works. *Prerequisite:* Engl 203 and 204. MR. KINARD

ENGL 420—SELECTED MASTERPIECES—3 cr. (3 and 0)

A continuation of English 419 using different selections. *Prerequisite:* Engl 203 and 204. MR. KINARD

ENGL 423—AMERICAN LITERATURE—3 cr. (3 and 0)

A course intended to give the student a more thorough knowledge and a deeper appreciation of the literature of the United States; beginning with the earlier selections and outstanding authors, the study ends with the period immediately preceding the Civil War; special emphasis is given to Poe, Emerson, Hawthorne, and Melville. *Prerequisite:* Engl 203 and 204.

MR. J. C. GREEN

ENGL 424—AMERICAN LITERATURE—3 cr. (3 and 0)

A continuation of study from Whitman to the present with emphasis upon the literature of the South. *Prerequisite:* Engl 203 and 204.

MR. J. C. GREEN

ENGL 425—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

A study of the rise of Romanticism in English Literature; an evaluation of the contribution of the Eighteenth Century forerunners, followed by a study of Wordsworth, Coleridge, and Scott. *Prerequisite:* Engl 203 and 204.

MR. OWINGS

ENGL 426—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

Continuation of the work of English 425 with particular emphasis on the poets: Byron, Shelley, and Keats and on the essayists: Hazlitt, Lamb, DeQuincey, and Leigh Hunt. *Prerequisite:* Engl 203 and 204. MR. OWINGS

ENGL 427—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Tennyson, Browning, Carlyle, and John Stuart Mill, including some consideration of the intellectual, social, and political life of England in the first half of the nineteenth century. *Prerequisite:* Engl 203 and 204.

MR. C. B. GREEN

ENGL 428—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Arnold, Swinburne, Ruskin, and Pater, and an examination of some of the theories of life and art which influenced the writings of these men. *Prerequisite:* Engl 203 and 204.

MR. C. B. GREEN

ENGL 429—THE ENGLISH NOVEL—3 cr. (3 and 0)

A survey of major English novelists from Defoe to Scott. Selections vary from year to year, and students are allowed some latitude in their choice of readings. *Prerequisite:* Engl 203 and 204.

MR. H. M. COX

ENGL 430—THE ENGLISH NOVEL—3 cr. (3 and 0)

A continuation of English 429, with emphasis upon English Victorian novelists. *Prerequisite:* Engl 203 and 204.

MR. H. M. COX

ENGL 431—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A brief background survey of the literature and thought of the Restoration (Dryden, Denham, Cowley, Hobbes, Locke, Mandeville, Halifax, Bunyan, Evelyn, Pepys, Butler, Temple, Cibber, and Shaftesbury) followed by readings in Prior, Swift, Defoe, Pope, Gay, and Addison and Steele. *Prerequisite:* Engl 203 and 204.

MR. MACINTOSH

ENGL 432—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A study of Goldsmith, Johnson, Boswell, Burke, and the Earl of Chesterfield, together with some consideration of the poetry of Young, Thomson, Shenstone, Collins, Cowper, Gray, and Blake. *Prerequisite:* Engl 203 and 204.

MR. MACINTOSH

ENTOMOLOGY

MR. FARRAR

MR. DUNAVAN, MISS MCDANIEL, MR. WARE, *MR. WARNHOFF

ENT 301—ELEMENTARY AND ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

A general introduction to Entomology with emphasis on anatomy, metamorphosis, life-histories of our most important species and methods of control. *Prerequisite:* Zool 101 and 103.

MR. DUNAVAN

ENT 302—GENERAL ENTOMOLOGY—3 cr. (2 and 3)

This course designed especially for students who take major work in Entomology provides basic training in general phases of Entomology covering especially metamorphosis, classification, habits and characteristics of members of principal families of all orders of insects. Special attention is also given to technique of collecting and preserving insects. *Prerequisites:* Zool 101, 103 and Ent 301.

MR. DUNAVAN

ENT 401—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

This course affords training in identification and life-histories of injurious insects, their damage, and control measures. Common pests of the following are studied: corn, small grains, legume field crops, tobacco, sugar cane, stored grain and seed, livestock and man. *Prerequisites:* Zool 101, 103 and Ent. 301.

MISS MCDANIEL

ENT 402—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

An intensive study of insecticides and other control measures for insects. This is followed by detailed study of habits, life-histories and approved control measures for insect pests of all fruit and vegetable crops. *Prerequisites:* Zool 101, 103 and Ent 301.

MISS MCDANIEL

ENT 405—INSECT MORPHOLOGY—3 cr. (2 and 3)

A course especially arranged for students with major work in Entomology. A detailed study of external and internal anatomy of insects. *Prerequisite:* Ent 301 and Ent 302.

MR. DUNAVAN

ENT 406—BEEKEEPING—3 cr. (2 and 3)

A study of practical beekeeping methods. Each student personally manages a hive of bees throughout the term. Special attention is given to bee behavior, spring and fall management and honey production methods. *Prerequisite:* Ent 301.

MR. DUNAVAN

ENT 451—RESEARCH TECHNIQUES AND METHODS—2 cr. (1 and 3)

A study of approved methods of investigating entomological problems. Each student conducts a study of the life history of several insects. Laboratory techniques using insects for biological research are applied to a minor problem.

MR. FARRAR

ENT 452—TAXONOMIC ENTOMOLOGY—2 cr. (1 and 3)

A study of principles involved in the systematic classification of insects with some attention to historical aspects including great taxonomists of the

* On leave.

past. Intensive studies of generic characteristics of insects in several major families are made. *Prerequisites*: Zool 101, 103, Ent 301, and 302.

MR. DUNAVAN

ENT 456—PARASITOLOGY—3 cr. (2 and 3)

Designed to give technical training in parasites affecting man and domestic animals. Life cycles, vectors, and practical controls are emphasized.

MR. WARE

ENT 460—SEMINAR—2 cr. (2 and 0)

Students review the principal journals pertaining to insects and related animals; also review the lives and activities of prominent pioneer entomologists.

Prerequisites: Zool 101, 103 and 301; Ent 301 and 302.

MR. FARRAR

ENT 505—ADVANCED MORPHOLOGY—3 cr. (2 and 3)

ENT 552—ADVANCED SYSTEMATIC ENTOMOLOGY—2 cr. (0 and 6)

ENT 556—MEDICAL ENTOMOLOGY—3 cr. (2 and 3)

ENT 561—INSECT TOXICOLOGY—3 cr. (2 and 3)

ENT 562—INSECT PHYSIOLOGY—3 cr. (2 and 3)

ENT 591—RESEARCH—3 cr.

ENT 592—RESEARCH—3 cr.

FORESTRY

MR. LEHOTSKY

FOR 201, 203—INTRODUCTION TO FORESTRY—3 cr. (2 and 3)

A general introduction to and survey of the field of forestry. An introductory course for pre-forestry students, and a survey of the field of regional, national and world forestry problems arranged for non-foresters. The forest resource and its place in human welfare.

FOR 202, 204—DENDROLOGY—4 cr. (3 and 3)

The identification of the commercially important trees of the United States including nomenclature; family, genus and species characteristics; range and distribution. Field identification of the trees native to South Carolina and of commonly planted exotics. *Prerequisite*: Bot 101 and 103.

FOR 205, 207—FARM FORESTRY—3 cr. (2 and 3)

A study of the general problems dealing with the scientific management of small forest areas. Tree identification, tree measurements, forest measurements, forest products, silvicultural management of the important forest types of the region, intermediate and final cuttings, plantations, marketing of forest products and forest protection. Laboratory and field work on college forest lands and forestry operations. *Prerequisite*: Bot 101 and 103.

FRENCH

MR. DEAN, *MR. HARDEE

FR 101—ELEMENTARY FRENCH—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. DEAN

FR 102—ELEMENTARY FRENCH—3 cr. (3 and 0)

A continuation of Fr 101, in which a reader is also used.

MR. DEAN

FR 201—INTERMEDIATE FRENCH—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Fr 102 and the beginning of more serious reading of French prose in short stories or novels.

MR. DEAN

FR 202—INTERMEDIATE FRENCH—3 cr. (3 and 0)

While attention is paid to writing and speaking French, more stress is laid on the rapid reading of more difficult French prose than in the earlier courses.

MR. DEAN

FR 301—ADVANCED FRENCH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific French prose.

MR. DEAN

FR 302—ADVANCED FRENCH—3 cr. (3 and 0)

A continuation of Fr 301, with selections being made to suit the needs of the students.

MR. DEAN

GEOGRAPHY

MR. CARPENTER

GEOG 301—ECONOMIC GEOGRAPHY—3 cr. (3 and 0)

A study of the geographic conditions fundamental to the world's resources—agricultural, mineral, and industrial, and the conditions which affect their production, exchange, and consumption. A special study is made of the South.
Prerequisite: Junior standing.

GEOG 302—GEOPOLITICS—3 cr. (3 and 0)

A study of the geopolitical pattern of great powers, nations and dependencies; their territorial structure, resources, and connections. An examination of the principles of political geography, their application to current history, from an American geographical viewpoint. *Prerequisite:* Junior standing.

* On leave.

GEOLOGY AND MINERALOGY**MR. BERRY****GEOL 201—AGRICULTURAL GEOLOGY—3 cr. (3 and 0)**

In this course the student is shown the relationships existing between geology and practical agricultural problems, especially those in connection with soil formation and adaptation. Soil-making minerals and rocks, formation of soils and rocks, and the question of the relation of underground water to springs, wells and drainage problems are considered.

GEOL 203—GENERAL GEOLOGY—3 cr. (3 and 0)

This course is intended to familiarize students with geology as applied not only to a thorough enjoyment of nature, but also to its many practical applications.

GEOL 204—GENERAL GEOLOGY—3 cr. (3 and 0)

In the second semester the evolution of the earth, through all of its changes to the geography and life of the present day, is traced.

GEOL 302—OPTICAL MINERALOGY—4 cr. (3 and 3)

A study of the use of the microscope for the identification of ceramic materials and the mineral constituents of ceramic products.

GEOL 306—MINERALOGY—2 cr. (1 and 3)

The purpose is to give the student a comprehensive knowledge of crystallography and descriptive and determinative mineralogy.

GEOL 402—METEOROLOGY—2 cr. (2 and 0)

A course designed to give the general principles of meteorology and climatology as applied to farming, aviation, and to those sciences which require a knowledge of such principles.

GEOL 406—ENGINEERING GEOLOGY—3 cr. (3 and 0)

A course that shows the practical application of geology to problems of engineering. Topographic and geologic maps are used extensively in connection with the text.

GERMAN**MR. RHYNE****GER 101—ELEMENTARY GERMAN—3 cr. (3 and 0)**

A course for beginners, in which through conversation, composition and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

GER 102—ELEMENTARY GERMAN—3 cr. (3 and 0)

A continuation of Ger 101, in which a reader is also used.

GER 201—INTERMEDIATE GERMAN—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Ger 102 and the beginning of more serious reading of German prose in short stories or novels.

GER 202—INTERMEDIATE GERMAN—3 cr. (3 and 0)

While attention is paid to writing and speaking German, more stress is laid on the rapid reading of more difficult German prose than in the earlier courses.

GER 301—ADVANCED GERMAN—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific German prose.

GER 302—ADVANCED GERMAN—3 cr. (3 and 0)

A continuation of Ger 301, with selections being made to suit the needs of the students.

GOVERNMENT

MR. EPTING

MR. CROUCH, MR. BOLEN, MR. LANDER, MR. CARPENTER, MR. LAMBERT,
MR. TUTTLE, MR. WEBB, *MR. WILLIAMS

GOV 101—AMERICAN NATIONAL GOVERNMENT—3 cr. (3 and 0)

A survey of the principles, structure, and functions of the national government of the United States. Not open to Juniors and Seniors.

GOV 301—AMERICAN GOVERNMENT AND POLITICAL PARTIES—3 cr. (3 and 0)

A study of the constitution; powers and functions of executive, legislative, and judicial branches; citizenship; expansion of governmental activities; relations to the states, and territories. A study of the nature, development, organization, and methods of political parties, and the conduct of elections. *Prerequisite:* Not open to those who have completed Gov. 101.

GOV 302—STATE AND LOCAL GOVERNMENT—3 cr. (3 and 0)

An integrated study of American state and local government structural features, functions and legislative, administrative, and judicial processes. *Prerequisite:* Gov 101 or 301 and permission of the instructor. MR. EPTING

GOV 401—COMPARATIVE GOVERNMENT—3 cr. (3 and 0)

A study of the historical development of present-day political institutions and a comparison of the functioning of these institutions in the United States, Great Britain, Russia, Switzerland, and other countries. *Prerequisite:* Gov 101 and permission of the instructor. MR. BOLEN

GOV 403—INTERNATIONAL RELATIONS—3 cr. (3 and 0)

To acquaint the student with current world movements and conditions, so that he may be able to think intelligently on the problems confronting our nation. *Prerequisite:* Senior standing. MR. CROUCH

* On leave.

HISTORY

MR. EPTING

MR. BOLEN, MR. LANDER, MR. CARPENTER, MR. LAMBERT, MR. TUTTLE,
MR. WEBB, *MR. WILLIAMS

HIST 101—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic, and social development of the American people from the period of discovery to the end of the Civil War.

HIST 102—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic and social development of the American people from the end of the Civil War to the present.

HIST 301—HISTORY OF THE UNITED STATES SINCE 1865—3 cr. (3 and 0)

An advanced study of the political, social, and economic development of the United States since the end of the Civil War. *Prerequisite:* Junior standing. Not open to students who have completed Hist 102.

HIST 303—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic and social institutions, as well as the outstanding personalities of Western Civilization from ancient times to 1648. *Prerequisite:* Junior standing or permission of instructor. MR. BOLEN

HIST 304—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic, and social conditions and institutions, as well as the outstanding personalities of Western Civilization from 1648 to the present. *Prerequisite:* Junior standing or permission of instructor. MR. BOLEN

HIST 306—AMERICAN BIOGRAPHY—3 cr. (3 and 0)

A study of political leaders of the United States with emphasis on the significance of leadership in United States history and critical appreciation of biographical writing. *Prerequisite:* Junior standing. MR. WILLIAMS

HIST 307—A DIPLOMATIC HISTORY OF THE UNITED STATES—3 cr. (3 and 0)

A history of United States foreign relations from 1775 to date with emphasis being placed upon the directing forces, particularly public opinion, that have shaped American diplomatic policies. Also stressed are the causes and results of all foreign wars in which the United States has been engaged. *Prerequisite:* Junior standing. MR. LANDER

HIST 308—EUROPE SINCE 1918—3 cr. (3 and 0)

A history of Europe since the end of World War I with emphasis being placed upon the rise to power of the Communist, Fascist, and National Socialist regimes in Russia, Italy, and Germany, respectively. *Prerequisite:* Junior standing. MR. BOLEN

* On leave.

HIST 309—HISTORY OF ENGLAND—3 cr. (3 and 0)

A study of the economic, political, and social institutions of the English people from early times to the present. *Prerequisite*: Junior standing.

MR. BOLEN

HIST 311—HISTORY OF LATIN AMERICA—3 cr. (3 and 0)

A survey of the political, economic, social, and cultural development of Latin America. *Prerequisite*: Junior standing.

MR. EPTING

HIST 401—HISTORY OF SOUTH CAROLINA—3 cr. (3 and 0)

A study of the political, economic and social conditions and institutions of South Carolina from 1670 up to the present.

A special feature is a study of the outstanding personalities and of the historical literature. *Prerequisite*: Junior or Senior standing or permission of instructor.

MR. EPTING

HIST 403—HISTORY OF THE SOUTH TO 1865—3 cr. (3 and 0)

A study of the geography and climate of the South and the origins and development of political, economic, social, and cultural institutions. *Prerequisite*: Junior standing.

MR. WILLIAMS

HIST 404—HISTORY OF THE SOUTH SINCE 1865—3 cr. (3 and 0)

A study of the economic and social changes in the South during the Reconstruction period and of trends in industrialization, agriculture, politics, race relations, and culture to the present. *Prerequisite*: Junior standing.

MR. LANDER

HIST 405—THE AMERICAN FRONTIER—3 cr. (3 and 0)

A course dealing specifically with American expansion westward from the original colonies. This course considers the westward movement in respect to population, political, economic, social and cultural development; analyzes the process of national adjustments; and weighs the contributions of each succeeding period. It considers both the early West and the Trans-Mississippi West. *Prerequisite*: Junior standing.

MR. WILLIAMS

HIST 406—HISTORY OF MANUFACTURING IN THE UNITED STATES—3 cr. (3 and 0)

A study of the sustained growth of manufacturing in the United States since the Revolutionary War. Particular emphasis is placed on the history of major basic industries. The course considers the economic, political, and social effects of industrial growth on American history. *Prerequisite*: Junior standing, or permission of the instructor.

MR. WILLIAMS

HORTICULTURE

MR. MUSSER

MR. GARRISON, MR. SEFICK, MR. VAN BLARICOM, MR. SENN, MR. THODE

HORT 201—GENERAL HORTICULTURE—3 cr. (2 and 3)

A study of the fundamental plant processes, the influence of light, temperature, water and nutrients upon vegetative growth and reproduction of horti-

cultural crops. Production practices, harvesting, storage and marketing of the principal fruit, vegetable and ornamental crops are discussed with demonstrations and practice in greenhouse and orchard. *Prerequisites:* Bot 101, 103 and Chem 101.

MR. SEFICK, MR. SENN

HORT 301—PRINCIPLES OF VEGETABLE PRODUCTION—3 cr. (2 and 3)

A study of the general principles of vegetable growing and handling. Phases receiving special emphasis are: economic importance, producing areas, management practices, plant forcing, cultural practices, irrigation, quality factors, harvesting, grading, packing, storage, market inspection, transportation, refrigeration, exhibition, roadside marketing, and seed production. *Prerequisite:* Hort 201.

MR. GARRISON

HORT 305—PLANT PROPAGATION AND NURSERY MANAGEMENT—3 cr. (2 and 3)

A study of methods of propagation; time, manner, and material for making cuttings; temperature and media for rooting cuttings of ornamental trees, shrubs and flowering plants; propagating structures, soils, fertilizers, and management methods for commercial nurseries. Practical instruction given in field and greenhouse. *Prerequisite:* Hort 201.

MR. THODE

HORT 306, 308—ELEMENTARY LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of plant material used in landscape design; instruction in landscaping and developing home grounds and execution of design. MR. THODE

HORT 401, 403—LANDSCAPE DESIGN—3 cr. (2 and 3)

Instruction in the use of plant material used in landscaping homes, parks and small estates and designing of larger areas. Designs to be executed in detail. *Prerequisites:* Hort 306 and 308.

MR. THODE

HORT 402, 404—GARDEN DESIGN—3 cr. (2 and 3)

Instruction in design of both formal and informal gardens; use of herbaceous plant material and execution of plans. *Prerequisites:* Hort 306 and 308.

MR. THODE

HORT 405—NUT CULTURE AND SPRAYS—3 cr. (2 and 3)

Part I—Nut Culture—a study of production, harvesting and marketing of the principal nut crops with emphasis on the pecan.

Part II—Sprays and application equipment—a study of the properties of spray chemicals, their influence on plant functions, effectiveness in controlling pests of horticultural crops and methods of application. *Prerequisite:* Hort 201.

MR. SEFICK

HORT 409—SEMINAR—1 cr. (1 and 0)

A study of recent research work on various phases of horticulture, methods of conducting investigations and preparation of report of investigations.

MR. MUSSER AND STAFF

HORT 410—SEMINAR—1 cr. (1 and 0)

A continuation of Hort 409.

MR. MUSSER AND STAFF

HORT 415—FLORICULTURE—3 cr. (2 and 3)

A study of greenhouse production of commercial flower crops, soils, fertilizers, greenhouse diseases and insects, flower crops (major crops: roses, carnations, chrysanthemums; minor crops: sweet peas, snapdragons, violets, calendula, asters, gardenia, poinsettia, bulbs in variety) to be grown on benches and as pot plants; marketing and costs of production. *Prerequisite:* Hort 201 and 305.

MR. THODE

HORT 451—SYSTEMATIC POMOLOGY AND SMALL FRUIT CULTURE—3 cr. (2 and 3)

Part I—Systematic Pomology—A study of the structure of fruit plants—physiological characters; methods of work in systematic pomology; habitat, history, color, form, structure, flavor and use of fruits; judging and displaying fruits.

Part II—Small Fruit Culture—A study of varieties, soils, sites, culture, fertilizers, harvesting and preparation for marketing of grapes, strawberries, dewberries, blackberries, raspberries and other small fruits. *Prerequisite:* Hort 201.

MR. MUSSER

HORT 452—COMMERCIAL POMOLOGY—3 cr. (2 and 3)

A study of fruit bud formation, rest period and water relations of fruit plants, soils, fruit setting; orchard soil management and responses of various fruits to fertilizers, principles of pruning, effect of climatic differences, freezing of tissues and means of avoiding injury, harvesting, transportation, and storage. *Prerequisite:* Hort 201.

MR. MUSSER

HORT 455—BREEDING HORTICULTURAL CROPS—3 cr. (2 and 3)

A study of the principles and practices of plant breeding. The principal topics include: inheritance of characters, modes of reproduction, techniques of selfing and crossing, selection, hybridization, disease and insect resistance, application of biometrical analysis, and field plot technique. *Prerequisite:* Agron 302.

MR. GARRISON

HORT 456—TRUCK CROPS—3 cr. (2 and 3)

A detailed study of the principles and practices employed in the growing and marketing of truck crops. Emphasis is placed on plant characteristics, varieties, soils, fertilizers, harvesting, and preparation for market. *Prerequisite:* Hort 201.

MR. GARRISON

HORT 460—ADVANCED LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of civic improvement, mill villages, public buildings, squares, parks, storm water control, water courses, lakes, lawns, drives, and walks; trees and shrubs and their requirements; study of finished problems in landscape design, original problems, field work and costs. *Prerequisite:* Hort 306, 308 and 401, 403.

MR. THODE

HORT 464—FOOD PRESERVATION—3 cr. (2 and 3)

Theoretical background and fundamental processes of food preservation. The course includes modern canning technique for community and commercial canneries; frozen food preservation; study of important crops grown in South

Carolina suitable for canning; factors which influence the commercial operation of a cannery; causes of food spoiling; factors which influence quality packs; U. S. Standard grades for canned goods; and a study of jams, jellies and preserves, dehydration and pickle manufacturing. *Prerequisite:* Bact 301 and 303.

MR. VAN BLARICOM

HORT 466—RESEARCH METHODS—3 cr. (2 and 3)

A study of the development and changes in research methods which are valuable or of potential value in investigating horticultural problems. Students obtain practice in the use and maintenance of various research instruments and equipment. *Prerequisite:* Senior standing.

MR. SENN

HORT 501—PROBLEMS IN SMALL FRUIT PRODUCTION—3 cr. (2 and 3)

HORT 503—ADVANCED VEGETABLE CROPS—3 cr. (3 and 0)

HORT 505—FOOD TECHNOLOGY—3 cr. (1 and 6)

HORT 507—ADVANCED POMOLOGY—3 cr. (2 and 3)

HORT 591—RESEARCH—3 cr.

HORT 592—RESEARCH—3 cr.

INDUSTRIAL ARTS

MR. MARSHALL

IN AR 101—GENERAL WOODWORK—1 cr. (0 and 3)

A general course designed to teach the fundamental principles of woodworking. Tool processes, common to all woodworking trades, are stressed. Cabinet making is emphasized throughout the course, because of its universal interest and appeal to both young and old.

IN AR 302—INDUSTRIAL ARTS—1 cr. (0 and 3)

An elective course in advanced machine woodworking including the making of well-designed furniture and cabinets, and wood finishing materials and their application. *Prerequisite:* In En 202 or In Ar 101.

IN AR 303—INDUSTRIAL ARTS—2 cr. (1 and 3)

A course including project construction, finishing, care of shop tools and equipment, characteristics of woods, fasteners, finishing materials, glues, and the shop budget.

IN AR 304—SPECIAL METHODS IN INDUSTRIAL ARTS—2 cr. (1 and 3)

A study in fundamental skills, knowledges, and appreciation of woodwork. Special technique and method of approach in teaching shop subjects in high schools are also covered.

INDUSTRIAL ENGINEERING

MR. FREEMAN

MR. MARSHALL, MR. BROCK, MR. COUCH, MR. STENSTROM, MR. MEEKS

IN EN 101—METAL PROCESSES—2 cr. (0 and 6)

A study of forge equipment; materials used in forging, selections of materials, method of working and treating, heat treating, and case hardening. A study of materials used in foundry; the cupola, moulding sand, cores, patterns, the crucible furnace, the cleaning and inspection of castings. A study of welding equipment; safety practices, jigs, inspection and testing of welds. Lectures and demonstrations accompany this work.

MR. COUCH, MR. MEEKS

IN EN 201—METAL PROCESSES—2 cr. (0 and 6)

A study of metal cutting processes, including the possibilities and limitations in machine tool operation, job order, lot intermittent and mass production principles. The work is covered by lecture and shop practice with the fundamental machine and hand tools. *Prerequisites:* DD 106, Math 103, In En 101.

MR. FREEMAN, MR. STENSTROM

IN EN 202—WOOD PROCESSES—2 cr. (0 and 6)

A study of the most suitable materials, hand and machine tools used in the construction of wood patterns. The fundamental processes involved in the fashioning of typical patterns, keeping in mind the relations of the allied department, particularly those of the foundry.

MR. BROCK, MR. MARSHALL

IN EN 205—CONSTRUCTION MATERIALS—2 cr. (2 and 0)

A study of the sources of materials used in industry; a study of wood, concrete, ferrous alloys, non-ferrous materials, brick, tile, and other building materials. This course is designed to help the engineer to select the proper material for any given job.

MR. COUCH

IN EN 302—WELDING—2 cr. (1 and 3)

A study of the identification and weldability of metals; the equipment used; safe practices; welding materials and supplies; pre-treatment and after-treatment of welds; jigs and fixtures; inspection and testing; the cost of welding. *Prerequisite:* In En 101.

MR. COUCH

IN EN 402—METALLURGY—3 cr. (2 and 3)

A general course in the fundamentals of engineering physical metallurgy. The course is designed to give students in other fields of engineering a general working knowledge of problems involving ferrous and nonferrous physical metallurgy. *Prerequisite:* Chem 101 and 102.

MR. FREEMAN

MATHEMATICS

MR. SHELDON

MR. MILLER, MR. BELL, MR. BREWSTER, MR. COKER, MR. EDWARDS,
MR. KELLY, MR. KIRKWOOD, MR. LAGRONE, MR. ARMSTRONG,
MR. BROWN, MR. HARDEN, *MR. HIND, MR. JOHNSON,
MR. PARK, MR. POTTER, MR. STANLEY, MR. STUART,
*MR. SULLIVAN, MR. VAUSE, MR. WADE

MATH 100—REMEDIAL MATHEMATICS—Non-credit (5 and 0)

Required of all entering freshmen who fail to make a satisfactory grade on the placement examination in mathematics.

An intensified review of the basic principles of high school mathematics which are prerequisite for the study of college mathematics.

MATH 101—COLLEGE ALGEBRA—3 cr. (3 and 0)

A study of elementary college algebra including the fundamental operations, factoring and fractions, equations, ratio and proportion, functions and their graphs, exponents, radicals, quadratic equations. *Prerequisite:* A satisfactory grade on the placement examination.

MATH 102—TRIGONOMETRY (PLANE)—3 cr. (3 and 0)

A study of the trigonometric functions, the solution of right and oblique triangles, trigonometric identities, trigonometric equations, graphs of the trigonometric functions, inverse trigonometric functions. *Prerequisite:* A satisfactory grade on the placement examination.

MATH 103—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

Six weeks of college algebra followed by twelve weeks of plane trigonometry. *Prerequisite:* A satisfactory grade on the placement examination.

MATH 104—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

A course in analytic geometry including the straight line, the conics, transformation of coordinates, equations and their loci, followed by an introduction to solid analytic geometry. *Prerequisite:* Math 103.

MATH 203—DIFFERENTIAL CALCULUS—5 cr. (5 and 0)

A study of differentiation and its application to maxima and minima problems, curve tracing, curvature, rates, differentials. *Prerequisite:* Math 104.

MATH 204—INTEGRAL CALCULUS—5 cr. (5 and 0)

A study of integration and its application to areas, volumes, lengths of curves, multiple integration, engineering problems. *Prerequisite:* Math 203.

MATH 301—ADVANCED ALGEBRA—3 cr. (3 and 0)

An advanced treatment of ratio and proportion, variation, progressions, surds, imaginary quantities, equations, permutations, binomial and multinomial expansions, inequalities. *Prerequisite:* Math 104.

MR. STANLEY

* On leave.

MATH 302—THEORY OF EQUATIONS—3 cr. (3 and 0)

A study of complex numbers, theorems on roots of polynomial equations, constructibility, approximations, determinants, matrices and symmetric functions. *Prerequisite:* Math 104.

MR. ARMSTRONG

MATH 303—STATISTICS—3 cr. (3 and 0)

A study of graphs, frequency distributions, averages, measures of dispersion, moments, the normal curve, curve fitting, correlation, and index numbers. *Prerequisite:* Math 104.

MR. JOHNSON

MATH 304—STATISTICS—3 cr. (3 and 0)

A continuation of Math 303. The mathematical basis of statistics is emphasized in this course. The topics covered include the theory of probability, the binomial distribution, the Chi-square distribution, theory of sampling, reliability of statistical differences, sequential analysis. *Prerequisite:* Math 204.

MR. JOHNSON

MATH 305—INTERMEDIATE CALCULUS—3 cr. (3 and 0)

A short review of the theory of differentiation and integration followed by a study of parametric equations, polar equations, curvature, theorem of mean value, reduction formulas, series, expansion of functions, averages, hyperbolic functions, some solid analytic geometry, partial differentiation, multiple integrals. *Prerequisite:* Math 204.

MR. BREWSTER

MATH 306—ORDINARY DIFFERENTIAL EQUATIONS—3 cr. (3 and 0)

Differential equations of the first order and first degree, equations of the first order but not of the first degree, linear differential equations, applications to physics and engineering. *Prerequisite:* Math 204.

MR. MILLER, MR. BREWSTER

MATH 307—ELEMENTARY PARTIAL DIFFERENTIAL EQUATIONS—3 cr. (3 and 0)

Partial differentiation and space geometry, origins of partial differential equations, linear and non-linear equations of the first order, Fourier series, linear equations of the second and higher orders. *Prerequisite:* Math 306.

MR. KELLY

MATH 401—COLLEGE GEOMETRY—3 cr. (3 and 0)

Theorems and concepts more advanced than those of high-school geometry. Detailed treatment of the various properties of the triangle, including the notable points, lines, and circles associated with it. *Prerequisite:* Math 104.

MR. POTTER

MATH 402—INTRODUCTION TO MODERN ALGEBRA—3 cr. (3 and 0)

An introduction to the simpler concepts of higher algebra. Topics included are: Rational, real and complex number, elementary theory of groups; rings, integral domains, and fields; polynomials over a field. *Prerequisite:* Math 204.

MR. VAUSE

MATH 403—INTRODUCTION TO MODERN ALGEBRA—3 cr. (3 and 0)

A continuation of Math 402. Topics included are: Matrices over a field, determinants and matrices; groups, rings, and ideals. *Prerequisite:* Math 402.

MR. VAUSE

MATH 451—VECTOR ANALYSIS—3 cr. (3 and 0)

A study of the algebra and calculus of vectors in two and three dimensions with applications to physics, geometry and engineering problems. *Prerequisite:* Math 305. MR. MILLER

MATH 453—ADVANCED CALCULUS—3 cr. (3 and 0)

A more extensive study of the differential and integral calculus than is given in the intermediate course with emphasis on applications and an introduction to theoretical questions. Topics include: power series, partial differentiation, implicit functions, the definite integral. *Prerequisite:* Math 305. MR. COKER

MATH 454—ADVANCED CALCULUS—3 cr. (3 and 0)

A continuation of Math 453. Topics include: Gamma and Beta functions; line, surface, and space integrals; Bessel functions; partial differential equations; calculus of variations; introduction to functions of a complex variable. *Prerequisite:* Math 453. MR. COKER

MATH 455—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A study of advanced mathematical topics pertinent to the field of engineering. Physical applications are stressed by the presentation of problems relating to the several branches of engineering. Topics include ordinary and partial differential equations, hyperbolic functions, infinite series, Fourier series, and Gamma and Bessel functions. *Prerequisite:* Math 306. MR. PARK

MATH 456—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A continuation of Math 455. Further topics include functions of a complex variable, vector analysis, probability, and operational calculus. *Prerequisite:* Math 306. MR. PARK

MECHANICAL ENGINEERING

MR. FERNOW

MR. SAMS, MR. SCHILDHAUER, MR. LEWIS, MR. SUTTON, MR. WATSON,
MR. COOK, MR. EDWARDS, MR. HUDSON, MR. PERRY, MR. SIMONDS

ME 211—MECHANICAL ENGINEERING—2 cr. (2 and 0)

A study of the fundamentals of steam power, boilers, fuels, combustion and auxiliary equipment, gas power, internal combustion engines, auxiliary apparatus and related equipment. MR. LEWIS, MR. WATSON

ME 213—ENGINEERING PROBLEMS—1 cr. (0 and 3)

This course is designed to develop neatness, self-confidence, and an analytical approach to the solution of engineering problems. A review of logarithms; fundamentals of the slide rule and its application to practical engineering problems; an introduction to steam tables with practical problems in steam. *Prerequisite:* Math 103, 104 and enrollment in ME 211. MR. COOK

ME 302—MECHANICAL ENGINEERING—3 cr. (3 and 0)

Elements of steam and gas power plants including fuels and combustion, gas and vapor processes and cycles, properties of air and steam, steam and

gas engines, turbines, auxiliaries, and refrigeration. Designed for Civil Engineering students. *Prerequisites:* Phys 211, 212; Math 204 or enrollment in Math 204. MR. PERRY

ME 305—HEAT POWER—3 cr. (3 and 0)

Thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. Designed for Electrical and Textile Engineering students. *Prerequisites:* Math 203 and 304; Physics 211 and 212. MR. SIMONDS

ME 306—HEAT POWER—3 cr. (3 and 0)

A continuation of ME 305. Thermodynamics of vapors with application to steam boilers, engines, turbines, power plant cycles, refrigeration and heat transfer problems. *Prerequisite:* ME 305. MR. PERRY

ME 307—MECHANICAL ENGINEERING LABORATORY—1 cr. (0 and 3)

Study and calibration of weights, pressure, area, and fluid flow measuring devices, testing of pumps, engines, fans and compressors. Designed primarily for Civil and Agricultural Engineering students. *Prerequisite:* Enrollment in ME 305 or 311.

ME 309—MECHANICAL LABORATORY—1 cr. (0 and 3)

The study and calibration of weight, pressure, area, and fluid flow measuring devices; flue gas analysis, power plant piping, lifting devices, centrifugal pump, and heat transfer. Designed for Electrical and Textile Engineering students. *Prerequisite:* Enrollment in ME 305 and 306.

ME 310—MECHANICAL LABORATORY—1 cr. (0 and 3)

A continuation of ME 309. A study of the performance tests of steam turbines, blowers, Diesel engines, unafrow engines, air compressors and hydraulic turbines. *Prerequisite:* ME 309 and enrollment in ME 306. MR. SIMONDS

ME 311—HEAT POWER—3 cr. (3 and 0)

Thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. *Prerequisites:* Math 203 and 204; Physics 211 and 212; ME 211 and 213. MR. COOK, MR. HUDSON

ME 312—HEAT POWER—3 cr. (3 and 0)

A continuation of ME 311. *Prerequisite:* ME 311. MR. SUTTON

ME 313—HEAT POWER LABORATORY—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices, flue gas, and liquid fuel analysis, triplex pump, powerhouse piping and auxiliaries, friction test on steam engine and internal combustion engine. *Prerequisite:* Enrollment in ME 311.

ME 314—HEAT POWER LABORATORY—1 cr. (0 and 3)

Practical work in connection with coal analysis, tests of lifting devices, ram, injector, centrifugal pump, calorimeters, and study of water plant. *Prerequisite:* ME 313. MR. PERRY

ME 411—HEAT POWER—3 cr. (3 and 0)

Organization of steam, Diesel and hydro power plants with reference to the design and performance characteristics of the individual pieces of apparatus involved, variable load, costs, and economics. Buildings and foundations are briefly covered. *Prerequisite:* ME 312.

MR. FERNOW

ME 412—HEAT POWER—3 cr. (3 and 0)

A continuation of ME 411, stressing the design, arrangement and economic justification of the boilers, prime movers, condensers, fuel handling equipment, stokers, pulverized fuel equipment, combustion, refuse handling equipment, fans, chimneys, water treatment, water heaters and deaerators, pumps, feed water regulation and the piping system design and layout. *Prerequisite:* ME 411.

MR. FERNOW

ME 413—HEAT POWER LABORATORY—2 cr. (0 and 6)

A practical application of the theory covered in ME 411. Performance tests of steam turbines, blowers, pumps, boilers, refrigeration plants, and hydraulic turbines are studied. *Prerequisite:* ME 314 and enrollment in ME 411.

MR. WATSON AND STAFF

ME 414—HEAT POWER LABORATORY—2 cr. (0 and 6)

Testing of all types of internal combustion engines, auxiliaries, and fuels. *Prerequisite:* ME 413.

MR. LEWIS AND STAFF

ME 417—DESIGN—2 cr. (1 and 3)

The solution of a variety of engineering problems under guidance to familiarize the student with the kind of work he may be called on to do after his first induction into industry. Completeness and orderly and logical work are stressed. *Prerequisite:* Enrollment in ME 411.

MR. COOK

ME 418—DESIGN—2 cr. (1 and 3)

A continuation of ME 417. *Prerequisite:* Enrollment in ME 412.

MR. HUDSON

ME 420—ADMINISTRATION—3 cr. (3 and 0)

Instruction in the principles of organizing, financing, and incorporating business enterprises; organization of the manufacturing establishment; buying and selling; contracts, accounting; management problems. *Prerequisite:* Senior standing.

MR. SCHILDHAUER

ME 421—GAS ENGINES—3 cr. (3 and 0)

Theoretical and actual cycles, performance characteristics, fuels, combustion, cooling, dynamics, ignition and injection of the two and four stroke cycle spark ignition and compression ignition engine. *Prerequisite:* ME 311 and 312.

MR. LEWIS

ME 422—GAS TURBINES—3 cr. (2 and 3)

Simple open-cycle gas turbines, variation of the basic cycle, closed cycle gas turbine plants, axial-flow compressors, centrifugal and positive displacement compressors, axial-flow turbines, combustion systems, structural design and plant performance. *Prerequisite:* ME 311, 312.

MR. LEWIS

ME 423—GAS ENGINE DESIGN—1 cr. (0 and 3)

Limits and requirements in the design of both air cooled and liquid cooled spark ignition and compression ignition engines, the principle of similitude, detail design and sketching of the engine parts and an assembly drawing of an engine. *Prerequisites:* DD 306, ME 311, 312, and enrollment in ME 421.

MR. LEWIS

ME 426—STEAM TURBINES—3 cr. (3 and 0)

Structural features, performance, and design of all types of steam turbines.

Prerequisite: ME 312.

MR. SAMS

ME 428—TURBINE DESIGN—1 cr. (0 and 3)

Complete design of nozzle and blade elements of impulse and reaction steam turbines. *Prerequisite:* Enrollment in ME 426.

MR. SAMS

ME 429—HEATING AND VENTILATION—2 cr. (2 and 0)

A study of the principles of heating and ventilation with emphasis on the following topics: factors affecting human comfort, the theory of heat transfer and the calculation of heat transmission coefficients, heat losses from buildings, heating load, fuels and combustion, heat disseminators, heating boilers and their accessories and auxiliaries, steam heating, and hot water heating systems. *Prerequisite:* ME 305 or 311.

MR. HUDSON

ME 430—AIR CONDITIONING—2 cr. (2 and 0)

A study of the principles of air conditioning embodied in air distribution and air cleaning, humidification and dehumidification, warm air heating systems, cooling systems, automatic control apparatus, unit heaters, and unit air conditioners. *Prerequisite:* ME 312 or 306 and 429.

MR. WATSON

ME 431—HEATING AND VENTILATION DESIGN—1 cr. (0 and 3)

The practical application of the theory covered in ME 429 in the design of heating and ventilation systems for specific conditions. *Prerequisites:* Enrollment in ME 429.

MR. HUDSON

ME 432—AIR CONDITIONING DESIGN—1 cr. (0 and 3)

The practical application of the theory covered in ME 430 in the design of air conditioning systems. *Prerequisite:* Enrollment in ME 430.

MR. WATSON

ME 433—ELEMENTARY AERODYNAMICS—2 cr. (2 and 0)

Physical properties of air, effects of deflecting air streams, air flow, airfoils, drag, power plants, propellers, control surfaces and stability; performance at sea level and at altitude. Calculations are made for an airplane to determine its performance at sea level and at altitude, including take off and landing distance, endurance, range and load during turns. *Prerequisite:* Mech 304.

MR. SUTTON

ME 434—REFRIGERATION—2 cr. (2 and 0)

Underlying thermodynamics of refrigeration and design and operating characteristics of compression and absorption systems. Ice making and cold storage. *Prerequisite:* ME 312.

MR. FERNOW

ME 437—CENTRIFUGAL MACHINERY—3 cr. (3 and 0)

Theory and performance of centrifugal pumps, blowers, hydraulic turbines and hydrodynamic power transmissions. Includes one and two dimensional theory, hydraulic losses, cavitation, specific speed, pump and turbine paralleling and allied topics. *Prerequisite:* Senior standing or by special permission.

MR. SUTTON

ME 461—ANALYSIS OF THERMODYNAMIC PROBLEMS—3 cr. (3 and 0)

Engineering problems involving the use of differential and integral calculus including ordinary differential equations, partial differentiation, multiple integrals, partial differential equations, line integrals, and series. *Prerequisite:* ME 311, 312.

ME 464—HEAT TRANSMISSION—3 cr. (3 and 0)

A comprehensive study of the principles of Heat Transmission with applications to engineering problems. Special emphasis is given to the following topics; heat conduction in the steady and unsteady states; dimensional analysis of convection; free and forced convection; the combined effects of conduction and convection; heat transfer in condensing and boiling; radiation; and the combined effects of conduction, convection, and radiation. *Prerequisite:* ME 311, 312 and registration in Math 306.

MR. WATSON

ME 501—ADVANCED AIR CONDITIONING—3 cr. (3 and 0)

ME 510—ADVANCED THERMODYNAMICS—3 cr. (3 and 0)

ME 521—INTERNAL COMBUSTION ENGINES—3 cr. (3 and 0)

ME 522—INTERNAL COMBUSTION ENGINES—3 cr. (3 and 0)

ME 523—INTERNAL COMBUSTION ENGINE LABORATORY—1 cr. (0 and 3)

ME 524—GAS TURBINES—3 cr. (3 and 0)

ME 526—ADVANCED STEAM TURBINES—2 cr. (2 and 0)

ME 528—ADVANCED STEAM TURBINES DESIGN—1 cr. (0 and 3)

ME 532—APPLIED HEAT TRANSFER—3 cr. (3 and 0)

ME 591—RESEARCH—3 cr.

ME 592—RESEARCH—3 cr.

MECHANICS AND HYDRAULICS

MR. CURTIS

*MR. HARLEY, MR. HUMPHREYS, *MR. MOORMAN, *MR. ROBINSON,
MR. BYARS, *MR. McDONALD, MR. NOWACK

MECH 302—MECHANICS (STATICS)—3 cr. (3 and 0)

An elementary technical study of force systems and their action on rigid bodies at rest, devoted to development of facility in free body analysis. Topics

* On leave.

also considered are center of gravity, moment of inertia of areas, and friction.

Prerequisite: Math 204, Phys 211.

MECH 303—MECHANICS (KINETICS)—3 cr. (3 and 0)

A continuation of Mech 302. Analytical kinematics and the effects of forces in producing motion of rigid bodies are major considerations. Among the principal topics, whose engineering applications are developed, are: Second Law of Motion for translation and rotation; work, energy, and power; impulse and momentum. *Prerequisite:* Mech 302.

MECH 304—MECHANICS OF MATERIALS—3 cr. (3 and 0)

This course is designed to acquaint students with certain physical constants and stresses in structural members and machine parts, and to illustrate rational derivation of formulas for internal stresses. Among topics covered are: Deformation and stress; torsion; riveted joints; flexure and deformation of beams; combined stresses in short blocks; columns. *Prerequisite:* Mech 302.

MECH 305—MECHANICS OF MATERIALS LABORATORY—1 cr. (0 and 3)

A laboratory course planned for students in certain branches designed to illustrate points and principles considered in Mech 304. *Prerequisite:* Must be accompanied, or preceded by Mech 304.

MECH 306—GRAPHIC STATICS—1 cr. (0 and 3)

Graphical analysis of force systems and of stresses in statically determinate frames. Given for students in certain branches. *Prerequisite:* Must be accompanied, or preceded by Mech 302.

MECH 401—FLUID MECHANICS—3 cr. (3 and 0)

A study of the forces on fluids at rest and in motion together with consideration of various flow measurement devices and of power developing and using units. Among the items considered are: Hydrostatic pressure and devices for measuring it; hydraulic similitude; measurements of flow by orifices, weirs, and various meters; flow in pipes; open channels; turbines and pumps. *Prerequisite:* Mech 303 (for Agricultural Engineering and Civil Engineering Majors, Mech 302).

MR. CURTIS, MR. HUMPHREYS

MECH 403—FLUID MECHANICS LABORATORY—1 cr. (0 and 3)

A laboratory course for students in certain branches to illustrate the principles of Mech 401. Also special exercises are given in stream gaging, drainage area study, runoff, and rainfall. *Prerequisite:* Must be accompanied, or preceded by Mech 401.

MECH 460—HYDROLOGY—2 or 3 cr. (2 or 3 and 0)

A study of the principles concerning the occurrence of water in nature and the practice of engineering in dealing with it in connection with design of water supplies and structures. *Prerequisite:* Mech 401 and 403; approval by instructor.

MR. CURTIS

MECH 462—WATER POWER ENGINEERING—2 or 3 cr. (2 or 3 and 0)

Principles and practices involved in the investigating and planning of hydraulic power developments and the selection of hydraulic machinery.
Prerequisite: Mech 460, or special approval of instructor. **MR. CURTIS**

MECH 464—FLOW IN OPEN CHANNELS—2 or 3 cr. (2 or 3 and 0)

Consideration of steady flow, including study of the hydraulic jump, back-water curves, bends, transitions and obstructions, and analysis of special methods of flood routing. *Prerequisite:* Mech 401 and approval of instructor.
MR. HUMPHREYS

MECH 502—SPECIAL TOPICS IN MECHANICS OF MATERIALS—3 cr. (3 and 0)**MECH 504—DYNAMICS—3 cr. (3 and 0)****MECH 506—FLUID MECHANICS II—3 cr. (3 and 0)****MECH 508—FLOOD CONTROL—3 cr. (3 and 0)****MECH 510—ADVANCED HYDROLOGY—2 cr. (2 and 0)****MECH 512—HYDRAULIC PROJECTS—3 cr. (3 and 0)****MECH 591—RESEARCH—3 cr.****MECH 592—RESEARCH—3 cr.****MILITARY SCIENCE**

COLONEL COOKSON

LT. COL. WHITLAW, LT. COL. JONES, MAJ. GRINNELL, MAJ. HAMLIN, MAJ. KIRBY, MAJ. SWEARINGEN, MAJ. WILLIAMSON, CAPT. BOUCHER, CAPT. COMBS, CAPT. ERLINKOTTER, CAPT. VON KAENEL, 1ST LT. GARDNER, M/SGT. BARNES, M/SGT. PRITCHARD, M/SGT. REID, M/SGT. RIMMER, M/SGT. SLIVKA, M/SGT. WILLIAMS, SFC BARRETTA, SFC BASSETT, SFC ELLIOTT, SFC KEELING, SFC STUTTS, SGT. BROWN, SGT. FORD

MS 101—MILITARY DRILL—0 cr. (0 and 3)

Training in customs, discipline, and leadership to prepare and develop cadets for duties as junior noncommissioned officers. Principal topics are principles of discipline; customs of the Army; wearing of the uniform; conduct of non-commissioned officers; purpose of drill; drill of the soldier with and without arms; squad and platoon drill; parades, reviews, inspections, and other ceremonies.

MS 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of MS 101.

MS 103—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

This course is an introduction to military science. Generally basic in nature, the course deals with topics relating to the Army and Air Force as a whole, without attempting specialization into various branches of the services. Principal topics are military policy of the U. S., The National Defense Act and

the ROTC, evolution of warfare, geographic foundations of national power and hygiene and first aid.

MS 104—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

A continuation of MS 103. Principal topics are maps and aerial photographs, and military psychology and personnel management.

MS 201—MILITARY DRILL—0 cr. (0 and 3)

Practical training for duty as officers in the armed services by supervised training in actual command during military drills, parades, reviews, inspections and ceremonies.

MS 202—MILITARY DRILL—0 cr. (0 and 3)

A continuation of MS 201.

MS 203—MILITARY SCIENCE AND TACTICS (INFANTRY)—1 cr. (2 and 0)

Theoretical and practical instruction on a basic level in subjects pertinent to the infantry and designed to develop the initiative, responsibility and technical knowledge required for qualification as a junior officer of the infantry arm. Principal topics are: military organization, weapons, and combat formations.

CAPT. VON KAENEL

MS 204—MILITARY SCIENCE AND TACTICS (INFANTRY)—1 cr. (2 and 0)

A continuation of MS 203. Principal topics are: technique of fire of the rifle squad, scouting and patrolling, tactics of the rifle squad and marksmanship.

CAPT. VON KAENEL

MS 205—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—1 cr. (2 and 0)

An introduction to Quartermaster Corps activities with theory instruction and practical application thereof. Principal topics are organization for supply in the Army, quartermaster units, classification of supplies, property accountability, and research and development trends.

SFC BARRETTA

MS 206—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—1 cr. (2 and 0)

A continuation of MS 205. Principal topics include functions and operations of quartermaster units and unit and organizational supply.

SFC BARRETTA

MS 207—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—1 cr. (2 and 0)

An introduction to signal communications, evolution of communications, and communications equipment, history of the Signal Corps, practices and equipment employed by lower echelons of Army units, practical exercises to include installation and operation of basic signal communications equipment.

SFC STUTTS

MS 208—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—1 cr. (2 and 0)

A continuation of MS 207. A study of the fundamentals of army organization, missions and functions of the Signal Corps, organization, missions and signal communication practices of the Infantry, armored and airborne divisions.

SFC STUTTS

MS 215—MILITARY SCIENCE AND TACTICS (ARMOR)—1 cr. (2 and 0)

Training in basic subjects in preparation for advanced level armor. Principal subjects are: branch weapons and material. SFC KEELING

MS 216—MILITARY SCIENCE AND TACTICS (ARMOR)—1 cr. (2 and 0)

A continuation of MS 215. Principal subjects are: basic communications, basic motors, history and mission of armor, scouting and patrolling and mechanical training with tank weapons. SFC KEELING

MS 217—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—1 cr. (2 and 0)

Theoretical and practical training in subjects pertaining to the tactics and techniques employed by the Corps of Engineers, including history and traditions of the corps of engineers, hand tools and rigging, explosives and demolitions, mines and booby traps, and camouflage. M/SGT. BARNES

MS 218—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—1 cr. (2 and 0)

A continuation of MS 217, including characteristics of weapons, organization and tactics of small units (squad and platoon level), organization of the ground and field fortifications, and defense against chemical attack. M/SGT. BARNES

MS 219—MILITARY SCIENCE AND TACTICS (ORDNANCE CORPS)—1 cr. (2 and 0)

Theoretical and practical instruction in the relation of the Ordnance Corps to the army as a whole, together with instruction in tactics and technique of the Ordnance Corps. Ordnance materiel topics include basic small arms, ammunition, and artillery.

MS 220—MILITARY SCIENCE AND TACTICS (ORDNANCE CORPS)—1 cr. (2 and 0)

A continuation of MS 219. Ordnance materiel topics include fire control instruments and automotive equipment.

MS 301—MILITARY DRILL—0 cr. (0 and 3)

Training for duty as officers by application of principles of leadership in actual command during drills, parades, reviews, inspections, and ceremonies.

MS 302—MILITARY DRILL—0 cr. (0 and 3)

A continuation of MS 301.

MS 303—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Advanced theoretical and practical training in subjects applicable to the army as a whole, together with tactics and techniques employed by the infantry. Principal subjects are: weapons of the infantry regiment and rifle marksmanship, organization, gunnery and communications. CAPT. COMBS

MS 304—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of MS 303. Principal subjects are: combat intelligence, estimate of the situation and combat orders, field fortifications and tactics of the rifle company and heavy weapons platoons.

CAPT. COMES

MS 305—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

Theoretical and practical training in subjects applicable to the army as a whole together with tactics and techniques utilized by the quartermaster corps. Principal topics include station supply, depot supply procedures and storage, warehousing and materials handling equipment.

MAJ. KIRBY

MS 306—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

A continuation of MS 305, with specific emphasis on the following topics: procurement of petroleum products, operation of commissaries, quartermaster maintenance and reclamation activities and individual weapons and marksmanship.

MAJ. KIRBY

MS 307—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on tactics and techniques utilized by the signal corps on a division level. Principal topics are communication security, signal center procedure and military radio communication fundamentals.

MAJ. WILLIAMSON

MS 308—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of MS 307. Principal topics are wire communication fundamentals, signal supply and continued training in tactics and techniques as applies to signal corps units.

MAJ. WILLIAMSON

MS 315—MILITARY SCIENCE AND TACTICS (ARMOR)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole, together with tactics and techniques employed by armor. Principal topics are: tank driving, gunnery, and organization.

LT. GARDNER

MS 316—MILITARY SCIENCE AND TACTICS (ARMOR)—3 cr. (4 and 0)

A continuation of MS 315. Principal topics are: troop leading, tactics, motors, and communications.

LT. GARDNER

MS 317—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects pertaining to the tactics and techniques employed by the corps of engineers, including organization of combat divisions, organization of engineer units, vehicle operation and maintenance, military roads and runways, tactics of engineer units (platoon and company levels), and engineer combat intelligence.

CAPT. ERLINKOTTER

MS 318—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

A continuation of MS 317 including engineer supply, bridge design and classification, individual weapons and marksmanship, water supply, and engineer signal communications.

CAPT. ERLINKOTTER

MS 319—MILITARY SCIENCE AND TACTICS (ORDNANCE CORPS)—3 cr. (4 and 0)

Theoretical and practical instruction on organization of the Ordnance Corps and the Ordnance Company Officer, together with tactics and techniques of the Ordnance Corps. Ordnance materiel topics include advanced instruction in automotive equipment, ammunition materiel, and artillery.

MAJ. GRINNELL

MS 320—MILITARY SCIENCE AND TACTICS (ORDNANCE CORPS)—3 cr. (4 and 0)

A continuation of MS 319. Ordnance materiel topics include ammunition supply, fire control equipment, small arms, and tactics of a Rifle Squad.

MAJ. GRINNELL

MS 401—MILITARY DRILL—0 cr. (0 and 3)

Continued training of officers by application of instruction, methods, and principles of leadership in positions of command during drills, parades, reviews, inspections, and ceremonies.

MS 402—MILITARY DRILL—0 cr. (0 and 3)

A continuation of MS 401.

MS 403—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in command, leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the infantry arm. Principal topics are military teaching methods, command and staff, organization, communications, and supply and evacuation. *Prerequisite:* MS 304.

CAPT. COMBS

MS 404—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of MS 403. Principal topics are troop movement, the military team, the infantry battalion in attack and defense, and new developments of clothing, equipment and tactics.

CAPT. COMBS

MS 405—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

Theoretical and practical training in quartermaster activity on both station and unit level. Principal topics include fiscal and procurement procedures, combat and technical intelligence, and command and staff organization.

MAJ. HAMLIN

MS 406—MILITARY SCIENCE AND TACTICS (QUARTERMASTER CORPS)—3 cr. (4 and 0)

A continuation of MS 405 with the principal topics covered being functions of the combatant arms and technical services, quartermaster operations in the zone of the interior and the theater of operations.

MAJ. HAMLIN

MS 407—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole, and the development of initiative and responsibility for qualification as junior officers of the signal corps. Principal topics are: command and staff, combat intelligence, military teaching methods, wire communication materiel.

MAJ. WILLIAMSON

MS 408—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of MS 407. Principal topics are radio communication materiel, higher echelon signal communication and equipment and continued training in tactics and techniques employed by the signal corps.

MAJ. WILLIAMSON

MS 415—MILITARY SCIENCE AND TACTICS (ARMOR)—3 cr. (4 and 0)

Theoretical and practical instruction in command and leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of Armor. Principal topics are: gunnery, motors, combat intelligence, psychological warfare, military administration, military law, and boards, and military teaching methods.

LT. COL. WHITLAW

MS 416—MILITARY SCIENCE AND TACTICS (ARMOR)—3 cr. (4 and 0)

A continuation of MS 415. Principal topics are: tactics, supply and evacuation, review of communications, review of tank driving and tank maintenance.

LT. COL. WHITLAW

MS 417—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

Theoretical and practical instruction in subjects pertaining to the Army as a whole, including military administration, military teaching methods, military law and board, psychological warfare, tactics employed by the Corps of Engineers, including engineer support for the typical field army, engineer support for the communications zone, and motor movements.

CAPT. ERLINKOTTER

MS 418—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

A continuation of MS 417 including construction, utilities and job management, river crossing operations, command and staff, and engineer support for the Air Force.

CAPT. ERLINKOTTER

MS 419—MILITARY SCIENCE AND TACTICS (ORDNANCE CORPS)—3 cr. (4 and 0)

Theoretical and practical instruction on an advanced level in subjects pertaining to the army as a whole, together with tactics and techniques of the ordnance department. Principal topics are military administration and personnel management, military teaching methods, psychological warfare, maintenance and supply procedures (ordnance), command and staff, and combat intelligence.

MAJ. GRINNELL

MS 420—MILITARY SCIENCE AND TACTICS (ORDNANCE CORPS)—3 cr. (4 and 0)

A continuation of MS 419. Principal topic is ordnance materiel specialty instruction.
MAJ. GRINNELL

MUSIC

°MR. MCGARITY, MR. LOVETT

MUSIC 402—MUSIC APPRECIATION—3 cr. (3 and 0)

This course is a comprehensive study of the development of music and factors leading toward the understanding of better music. Records and piano renditions of representative literature of outstanding composers are offered. This course is required for all students in Education, Vocational Agricultural Education, and Industrial Education.
MR. LOVETT

PHYSICS

MR. HUFF

MR. LINDSEY, MR. C. A. REED, MR. A. R. REED, MR. CRAWFORD, MR. JARRELL,
MR. REAVES, MR. SHACKELFORD, MR. WOOD, MR. KENDRICK,
MR. MCCAMY, MR. VOGEL

PHYS 201—GENERAL PHYSICS—3 cr. (3 and 0)

A study of mechanics and heat including the laws of motion, equilibrium, machines, mechanical and thermal properties of solids, liquids, and gases, thermometry and heat transfer. *Prerequisite*: Registration in Phys 203.

PHYS 202—GENERAL PHYSICS—3 cr. (3 and 0)

A continuation of the previous course covering wave motion, sound, geometrical optics, light waves and spectra, magnetism, static and current electricity, circuits, and electrical machines. *Prerequisites*: Phys 201; registration in Phys 204.

PHYS 203—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments testing the laws studied in Phys 201, giving experience in measuring the physical properties of matter and practice in the use of precision instrument and the treatment of observed data. *Prerequisite*: Registration in Phys 201.

PHYS 204—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments with sound waves, lenses, refraction and diffraction of light, magnetic fields, electrical circuits, measurements with electrical instruments. *Prerequisite*: Registration in Phys 202.

PHYS 211—GENERAL PHYSICS FOR ENGINEERS—4 cr. (4 and 0)

A study of mechanics, sound and heat including the laws of motion; rotation; equilibrium; wave motion; mechanical and thermal properties of solids, liquids and gases; with emphasis on the solution of problems. *Prerequisite*: Math 103 and 104; registration in Phys 213.

° On leave.

PHYS 212—GENERAL PHYSICS FOR ENGINEERS—4 cr. (4 and 0)

A continuation of Phys 211 covering the laws of electric and magnetic fields; electric currents and circuits; geometrical and physical optics; spectra; atomic physics. *Prerequisite:* Phys 211; registration in Phys 214.

PHYS 213—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments based on the laws studied in Phys 211, the theory and use of precise measuring apparatus, the treatment of observed data and significant figures. *Prerequisite:* Registration in Phys 211.

PHYS 214—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

A continuation of Phys 213 with emphasis on the accurate measurement of electrical quantities and the properties of light. *Prerequisite:* Registration in Phys 212 or 216.

PHYS 216—GENERAL PHYSICS FOR ELECTRICAL ENGINEERS—4 cr. (4 and 0)

A continuation of Phys 211 covering the same topics as Phys 212 with added emphasis on electricity, vacuum tubes and atomic physics. *Prerequisite:* Phys 211, EE 211, registration in Phys 214.

MR. JARRELL

PHYS 301—INTRODUCTION TO MODERN PHYSICS—3 cr. (3 and 0)

A continuation of the General Physics course to cover the important experiments of the current century, including the measurement of the properties of electrons, and other particles, and an introduction to the theories based on these experiments. *Prerequisites:* Phys 201 and 202 or 211 and 212 or 216; Math 203 and 204.

MR. HUFF

PHYS 303—EXPERIMENTS IN MODERN PHYSICS—1 cr. (0 and 3)

Measurements of the charge and mass of the electron, studies of thermo- and photo-electric effects, measurements with radioactive materials and with x-rays. *Prerequisite:* Registration in Phys 301.

MR. HUFF, MR. REAVES

PHYS 304—DESCRIPTIVE ASTRONOMY—3 cr. (3 and 0)

A survey of the properties of the planets and their satellites, their actual and apparent motions, the properties of stars and nebulae, and introduction of the determination of latitude and longitude. *Prerequisite:* Phys 201 and 202 or 211 and 212 or 216.

MR. HUFF

PHYS 305—PHOTOGRAPHY—3 cr. (2 and 3)

A survey of various phases of photography including photographic optics, sensitivity of negative materials, making prints and enlargements, composition of pictures. *Prerequisite:* Phys 201 and 202 or 211 and 212; permission of the instructor.

MR. REAVES

PHYS 308—SOUND AND ACOUSTICS—3 cr. (3 and 0)

A study of the production, propagation, properties and measurement of sound waves with emphasis on the acoustics of buildings. *Prerequisites:* Phys 201 and 202 or 211 and 212 or 216; registration in Math 201 or 203.

MR. C. A. REED

PHYS 312—HEAT AND KINETIC THEORY—4 cr. (4 and 0)

Instruction in thermometry, calorimetry, change of state, kinetic theory of gases and elements of thermodynamics with emphasis on chemical applications. *Prerequisites:* Phys 201 and 202 or 211 and 212 or 216; Math 203 and 204.

MR. LINDSEY

PHYS 314—EXPERIMENTAL HEAT—1 cr. (0 and 3)

Practical instruction in the measurement of high and low temperatures, thermal properties of solids, liquids, and gases; heats of combustion, heat conduction and radiation. *Prerequisite:* Registration in Phys 312.

MR. LINDSEY, MR. VOGEL

PHYS 321—MECHANICS AND PROPERTIES OF MATTER—4 cr. (4 and 0)

A study of the motions of particles and of rigid bodies, gyroscopes, elasticity, surface tension, the flow of fluids, gravitation. *Prerequisites:* Phys 201 and 202 or 211 and 212 or 216; Math 203 and 204. MR. C. A. REED

PHYS 323—EXPERIMENTAL MECHANICS—1 cr. (0 and 3)

Practice in the precise measurements of length, mass, and time; experiments with pendulums, gyroscopes, and other mechanical apparatus. *Prerequisite:* Registration in Phys 321.

MR. C. A. REED

PHYS 401—SENIOR THESIS AND SEMINAR—3 cr. (1 and 6)

This course is intended to give the student a general knowledge of current trends in physics as well as a more detailed review of the historical papers in the field. The Senior Thesis is a semi-original piece of work under the direction of the physics staff. The work in general is done in one of the following fields: x-ray, electron microscopy, ultra-violet spectroscopy, and electronics. *Prerequisite:* At least three physics courses beyond General Physics.

STAFF

PHYS 432—LIGHT—4 cr. (4 and 0)

Introduction in the formation of images by lenses and mirrors and the design of optical instruments; theory of interference and diffraction of light waves, polarization; applications to spectroscopy and precision measurement. *Prerequisites:* Phys 201 and 202 or 211 and 212 or 216; Math 203 and 204.

MR. LINDSEY

PHYS 434—EXPERIMENTAL LIGHT—1 cr. (0 and 3)

Measurements of the properties of lens systems and the defects of the images produced, the effects of slits on light waves, measurements with a spectrograph, use of the interferometer, polarimetry. *Prerequisite:* Registration in Phys 332.

MR. LINDSEY

PHYS 441—MAGNETISM AND ELECTRICITY—4 cr. (4 and 0)

A study of the magnetic and electrical properties of materials, electrical circuits, properties of electromagnetic fields, electromagnetic waves. *Prerequisites:* Phys 201 and 202 or 211 and 212 or 216; Math 203 and 204.

MR. JARRELL

PHYS 443—EXPERIMENTAL ELECTRICITY—1 cr. (0 and 3)

Measurements with precision electrical instruments including bridges and potentiometers; low and high frequency circuits; standing waves on wires.
Prerequisite: Registration in Phys 441. Mr. JARRELL, Mr. McCAMY

PHYS 452—ATOMIC AND NUCLEAR PHYSICS—3 cr. (3 and 0)

Elementary development in quantum theory; applications to electron arrangements in atoms, molecular beams, atomic and molecular spectra; considerations of nuclear structure, fission and atomic energies. *Prerequisite:* Phys 301, completion of two of the courses Phys 312, 321, 332, 341.

Mr. JARRELL

PHYS 471—ELECTRON MICROSCOPY—3 cr. (2 and 3)

A study of the theory and operation of the electron microscope. The technique of specimen mounting and interpretation of the pictures are stressed. The course consists of two hours lecture per week with considerable library work and one three hour laboratory period. Each student is given specimens chosen from his major field. *Prerequisite:* Eight hours physics and the permission of the instructor.

Mr. LINDSEY, Mr. CRAWFORD

PHYS 511—THERMODYNAMICS—3 cr. (3 and 0)

PHYS 512—KINETIC THEORY AND STATISTICAL MECHANICS—3 cr. (3 and 0)

PHYS 521—DYNAMICS—3 cr. (3 and 0)

PHYS 541—ELECTRODYNAMICS—3 cr. (3 and 0)

PHYS 542—RADIATION THEORY—3 cr. (3 and 0)

PHYS 551—INTRODUCTION TO QUANTUM MECHANICS—3 cr. (3 and 0)

PHYS 552—THEORY OF ATOMIC SPECTRA—3 cr. (3 and 0)

PHYS 553—NUCLEONICS—3 cr. (3 and 0)

PHYS 591—RESEARCH—3 cr.

PHYS 592—RESEARCH—3 cr.

POULTRY HUSBANDRY

Mr. MORGAN, Mr. COOPER

PH 301, 303—FARM AND COMMERCIAL POULTRY PRODUCTION—4 cr. (3 and 3)

A study of the nature and uses of poultry products, scope of the industry and agencies involved, classification of poultry, structure of the fowl, fundamentals of flock improvement, incubation, brooding, feeding, housing, disease control and sanitation, and the economic aspects of poultry production as a farm enterprise and a commercial business. Mr. MORGAN, Mr. COOPER

PH 451—POULTRY BREEDING—3 cr. (2 and 3)

A study of poultry improvement through culling and selection for meat and egg production and standard breed and variety characteristics, and the application of genetics to the problems of poultry breeding. *Prerequisites:* PH 301, 303 and Agron 302.

MR. MORGAN

PH 452—POULTRY FEEDING AND FLOCK MANAGEMENT—3 cr. (2 and 3)

A study of the nutritive requirements of poultry, dietary deficiencies and curative factors, the compounding of rations for growing, laying and breeding flocks of chickens and turkeys, the value of various feedstuffs and management practices with chickens and turkeys for maximum economic returns. *Prerequisites:* AH 301, PH 301 and 303.

MR. MORGAN

PH 455—POULTRY GRADING AND PROCESSING—3 cr. (2 and 3)

A study of the classes, grades and judging of market poultry and poultry products, and the preparation, packaging, processing, storage and freezing preservation of eggs and poultry for market. *Prerequisite:* PH 301 and 303.

MR. COOPER

PH 456—INCUBATION AND BROODING—3 cr. (2 and 3)

A study of the principles and practices of incubation and brooding of the various species of poultry, hatchery management and commercial broiler production. *Prerequisite:* PH 301 and 303.

MR. COOPER

PH 459—POULTRY DISEASES AND PARASITES—3 cr. (2 and 3)

A study of the causes, occurrence, symptoms, treatment and prevention of poultry diseases and the identification, life history, symptoms, treatment and prevention of poultry parasites. Sanitary practices on poultry farms and in hatcheries and market establishments, and eradication and control measures for specific diseases and parasites are considered. *Prerequisites:* PH 301, 303, Bact 301, 303 and VS 401, 403.

MR. COOPER

PH 460—SEMINAR—2 cr. (2 and 0)

A study and discussion of current research and commercial problems in poultry production and marketing and selected special topics not fully covered in subject matter courses. *Prerequisite:* PH 301, 303 and pursuing major study in Poultry Husbandry.

MR. MORGAN, MR. COOPER

PSYCHOLOGY

MR. WAITE

PSYCH 301—GENERAL PSYCHOLOGY—3 cr. (3 and 0)

A survey of the field of psychology: development and adjustment, motivation, emotions, intelligence, personality, the sensory experiences, perception, learning, thinking, imagination, and mental hygiene. *Prerequisite:* Junior standing.

PSYCH 302—SOCIAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the interaction between the individual and the forces of society: the classical theories, the psychobiological bases of human behavior, the sociocultural bases of behavior, types of human behavior, overt and covert

experiences, symbolism, personality, and social interaction. *Prerequisite:* Psych 301.

PSYCH 401—APPLIED PSYCHOLOGY—3 cr. (3 and 0)

An advanced course based upon the concepts of general psychology. The material includes causation in behavior, the psychology of attitudes, morale, the basic principles of motivation and work, individual differences, psychological testing in industry, interview techniques, motion and time analysis, industrial fatigue, psychological fatigue and related phenomena, accidents and their prevention, the working environment, psychological factors in labor turnover, advertising and consumer psychology and psychology in professional life. *Prerequisite:* Psych 301.

RELIGION

MR. CROUCH

MR. ALLEN, MR. EVANS, MR. GRIBBIN

REL 201—INTRODUCTION TO THE OLD TESTAMENT—3 cr. (3 and 0)

A historical approach to the study of the books of the Old Testament with particular emphasis on authorship and content. MR. EVANS

REL 205—INTRODUCTION TO THE NEW TESTAMENT LIT.—3 cr. (3 and 0)

A survey of the books of the New Testament, studies as to content, literary form, and purpose. Some consideration is given to the life and teachings of Jesus and the letters of Paul. MR. ALLEN

REL 305—NEW TESTAMENT OUTLINE—3 cr. (3 and 0)

A study of the background and beginnings of the Christian Movement. MR. CROUCH

REL 401—INTRODUCTION TO PHILOSOPHY—3 cr. (3 and 0)

A historical survey of philosophy with emphasis on its connection with political and social circumstances from the earliest times to the present day. Particular attention is given to those subjects which have always been the concern of both philosophy and religion. *Prerequisite:* Senior standing. MR. GRIBBIN

RURAL SOCIOLOGY

MR. BOYD

RS 301—RURAL SOCIOLOGY—3 cr. (3 and 0)

A study of human social relationships as modified by life in the country including a consideration of the farm family, its housing, health, schooling, recreational opportunities, relation to land, and other similar topics.

RS 454—FARMERS' MOVEMENTS—3 cr. (3 and 0)

An examination of the efforts of farmers to organize for the improvement of agriculture. Beginning with the first local agricultural society, the development of this movement is followed through the period of the Civil War. The Grange, Farmers' Alliance, and like movements, are then studied in their chronological order of development.

RS 459—THE RURAL COMMUNITY—3 cr. (3 and 0)

A study of the growth and development of the rural community with emphasis on organization of the community for its effective functioning in a changing society.

RS 461—RURAL LEADERSHIP—3 cr. (3 and 0)

A study of the social and psychological factors involved in rural leadership including an examination and analysis of characteristics of the successful leader, and the role of the leader in the rural community.

RS 501—RURAL SOCIAL SYSTEMS—3 cr. (3 and 0)**SOCIOLOGY**

MR. BURTNER, MR. WAITE

SOC 301—INTRODUCTORY SOCIOLOGY—3 cr. (3 and 0)

A study of the basic principles of sociology: culture, biological factors, the influence of geographical environment, human nature, group life, crowds, publics, social classes, cooperation, competition, conflict, accommodation, assimilation, human ecology, communities, social institutions, and social change. *Prerequisite:* Junior standing.

SOC 401—SOCIAL PROBLEMS—3 cr. (3 and 0)

A survey of the major social problems: Their background, group conflict, race conflict, war, the nature of population problems, social problems of industry, education, religion, disease and public health, poverty, dependency, and factors affecting social adjustment. *Prerequisite:* Soc 301. MR. BURTNER

SOC 402—THE FAMILY—3 cr. (3 and 0)

An inquiry into the problems of marriage and family life: the history of the family, the sociology of family life, mate selection, and courtship, husband-wife relationships, parent-child interaction, divorce, and conservation of family values. *Prerequisite:* Senior standing. MR. WAITE

SOC 403—CRIMINOLOGY—3 cr. (3 and 0)

A consideration of the major problems of crime and its treatment: causes of crime, criminal behavior, theories and practices in the treatment of criminals, and prevention of crime. *Prerequisite:* Soc. 301. MR. WAITE

SOC 405—INDUSTRIAL SOCIOLOGY—3 cr. (3 and 0)

A study of industry as a social organization together with the scientific examination of personality industrial relations; the factory as a social system; problems of management; problems of labor; problems of special groups in industry; labor-management relations; and industry and the community. *Prerequisite:* 3 cr. of Sociology and permission of the instructor. MR. BURTNER

SOC 406—REGIONAL SOCIOLOGY—3 cr. (3 and 0)

An analysis and survey of American regions. Emphasis is placed upon facts, factors, and policies pertaining to geography, population, culture, resources

and waste, social institutions and planning methods of investigating regions in terms of social science. *Prerequisite:* 3 cr. of Sociology. MR. BURTNER

SPANISH

MR. DEAN, *MR. HARDEE

SPAN 101—ELEMENTARY SPANISH—3 cr. (3 and 0)

A course for beginners in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language. MR. DEAN

SPAN 102—ELEMENTARY SPANISH—3 cr. (3 and 0)

A continuation of Span 101, in which a reader is also used. MR. DEAN

SPAN 201—INTERMEDIATE SPANISH—3 cr. (3 and 0)

A short review of grammar with conversation, composition, and dictation continued from Span 102 and the beginning of more serious reading of Spanish prose in short stories or novels. MR. DEAN

SPAN 202—INTERMEDIATE SPANISH—3 cr. (3 and 0)

While attention is paid to writing and speaking Spanish, more stress is laid on the rapid reading of more difficult Spanish prose than in the earlier courses. MR. DEAN

SPAN 301—ADVANCED SPANISH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific Spanish prose.

SPAN 302—ADVANCED SPANISH—3 cr. (3 and 0)

A continuation of Span 301, with selections being made to suit the needs of the students. MR. DEAN

TEXTILE CHEMISTRY AND DYEING

MR. LINDSAY

MR. LANGSTON, MR. GUION, MR. RAINEY

TC 301—TEXTILE CHEMISTRY—2 cr. (2 and 0)

An introductory course for Textile Manufacturing students covering chiefly the structure and behavior of the less complex organic chemicals employed in the textile industry up to and including the simpler carbohydrates. *Prerequisite:* Chem 102. MR. GUION

TC 302—TEXTILE CHEMISTRY—2 cr. (2 and 0)

A continuation of TC 301 and 303 covering more complex compounds; starches, cellulose, proteins, dyestuffs, and synthetic fibers and resins. Much of the laboratory work is devoted to the analysis of such materials as sizes, finishes and fabrics composed of various fiber mixtures. *Prerequisite:* Chem 102.

* On leave.

TC 303—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be taken concurrently with TC 301.

MR. GUION

TC 304—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be taken concurrently with TC 302.

TC 305—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A comprehensive course for Textile Chemistry majors covering aliphatic organic compounds with major emphasis on products essential to the textile industry. *Prerequisite:* Chem 104.

MR. RAINEY

TC 306—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A continuation of TC 305 and 307 covering the aromatic compounds with particular attention to the chemistry of dyes and dye intermediates. *Prerequisite:* Chem 104.

MR. RAINEY

TC 307—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be taken concurrently with TC 305.

MR. RAINEY

TC 308—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be taken concurrently with TC 306.

MR. RAINEY

TC 401—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A general study of the theory and practice involved in the chemical preparation of all types of fibers for textile use from the raw state through to the finished fabric. Such processes as scouring, bleaching, mercerizing, and the less complex dyeing procedures are covered. *Prerequisite:* TC 302 and 304.

MR. LINDSAY, MR. LANGSTON

TC 402—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A continuation of TC 402 and 404 covering the more advanced dyeing procedures with general coverage of textile printing as well as the many processes involved in textile finishing such as shrink-proofing, flame-proofing, crease resistance, and water repellancy. *Prerequisite:* TC 302 and 304.

MR. LINDSAY

TC 403—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be scheduled concurrently with TC 401.

MR. LINDSAY

TC 404—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be scheduled concurrently with TC 402.

MR. LINDSAY

TC 410—COLOR MATCHING AND TESTING—1 cr. (0 and 3)

The principles of color matching and mixing with practice in reproducing shades to standard, and testing color fastness of textiles by approved methods.

MR. LINDSAY

TC 430—TEXTILE FINISHING—3 cr. (1 and 6)

The principles involved in the application of finishes to textiles with emphasis on the newer developments in this rapidly expanding branch of textile

chemistry. Modern machinery is available for semi-practical work with a wide range of finishes and fibers.

MR. LINDSAY

TC 442—THESIS—2 cr. (0 and 6)

An investigation by each Textile Chemistry senior of an assigned problem related to textile processing. A formal written report is required from each student. *Prerequisite:* Senior standing.

MR. LINDSAY

TC 447—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—3 cr. (3 and 0)

A course for Textile Chemistry majors similar to TC 401 and 403 except that it is more comprehensive with emphasis on the problems involved in the supervision of a textile finishing plant. *Prerequisite:* TC 306 and 308.

MR. LINDSAY

TC 449—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be scheduled concurrently with TC 447. MR. LINDSAY

TC 452—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A continuation of TC 447 and 449. *Prerequisite:* TC 306 and 308.

MR. LINDSAY

TC 454—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course is to be scheduled concurrently with TC 452. MR. LINDSAY

TC 455—CELLULOSE CHEMISTRY—3 cr. (3 and 0)

An introductory course covering the constitution and behavior of cellulose and its derivatives. Particular attention is given to the purification of wood and other raw materials used for the preparation of rayon pulps. *Prerequisite:* TC 306 and 308.

MR. LANGSTON

TC 456—CHEMISTRY OF SYNTHETIC FIBERS AND FINISHES—2 cr. (2 and 0)

A study of the chemistry of large molecular substances such as nylon, vinyon, the rayons, and the protein-type synthetics. The varied synthetic resins used for special effects on textiles are covered in detail. *Prerequisite:* TC 306 and 308.

MR. LANGSTON

TC 511—THE THEORY AND APPLICATION OF SYNTHETIC RESINOUS MATERIALS—3 cr. (2 and 3)

TC 512—THE THEORY AND APPLICATION OF SYNTHETIC RESINOUS MATERIALS—3 cr. (2 and 3)

TC 521—ADVANCED CELLULOSE CHEMISTRY—3 cr. (3 and 0)

TC 531—CHEMISTRY OF COLORING MATTERS—3 cr. (2 and 3)

TC 591—RESEARCH—3 cr.

TC 592—RESEARCH—3 cr.

TEXTILE MANAGEMENT

MR. BROWN

MR. HEYN, MR. CAMPBELL, *MR. CARSON, MR. EDWARDS, MR. GRAHAM,
MR. RICHARDSON, MR. WILSON, MR. WRAY, *MR. GAMBRELL, MR. WITT

TM 101—INTRODUCTION TO TEXTILES—3 cr. (2 and 3)

An introduction to textile manufacturing. Elementary studies of staple fibers, and machinery involved in converting them into yarns and fabrics. MR. WILSON

TM 401—TEXTILE COSTING—5 cr. (3 and 6)

A study in the principles of costing as they apply to the manufacture of textiles. Allocating the cost of material, labor and overhead; determining the costs of individual yarns and fabrics; valuing the inventory; making of cost reports and payroll analysis. *Prerequisite:* Seniors majoring in Textiles.

MR. CAMPBELL

TM 403—TEXTILE MANAGEMENT—3 cr. (3 and 0)

The mill and its equipment; control of labor costs; selection of materials; production controls and the use of budgets.

MR. WRAY

TM 454—TIME STUDY—3 cr. (2 and 3)

Rating method; job analysis; establishing wage scales; group-piece and premium plans.

MR. RICHARDSON

TM 460—NATURAL FIBERS—3 cr. (3 and 0)

Fundamental properties of textile fibers as studied from the chemical, physical, and botanical side. The microscopic and molecular structure development in the plant, and extraction and preparation from the plant. Survey of plant fibers and fiber plants and more complete discussion of the main natural (plant and animal) fibers. Methods of fiber research. *Prerequisite:* Senior standing.

MR. HEYN

TM 462—TEXTILE MICROSCOPY—2 cr. (1 and 3)

This course is especially planned to enable the student to utilize the microscope for examination and identification of textile fibers and materials used in the textile and related industries. *Principal Topics:* The preparation of the various materials used in the textile industry for microscopic examination.

MR. HEYN, MR. EDWARDS

TM 464—PHYSICAL TEXTILE TESTING—2 cr. (1 and 3)

This course gives the student a comprehensive understanding of all the important machines and techniques used in physical testing of fibers, yarns, and fabrics. The applications of testing in modern textile research are stressed. *Prerequisite:* Senior standing.

MR. BROWN, MR. EDWARDS, MR. WITT

* On leave.

VETERINARY SCIENCE

MR. FEELEY

VS 401—ANATOMY AND PHYSIOLOGY—2 cr. (2 and 0)

The purpose of the course is to give agricultural students a general knowledge of anatomy and physiology of farm animals. Principal topics studied include physiology of digestion, chemical and physical processes of digestion and absorption, common diseases, farm sanitation, and first aid treatment.

VS 402—DISEASES OF ANIMALS—2 cr. (2 and 0)

A course designed to give agricultural students instruction in the recognition, causes, and treatment of the diseases of farm animals. The principles of etiology, pathology, diagnosis, symptoms, and treatment of infectious and non-infectious diseases are considered at length.

VS 403—VETERINARY SCIENCE LABORATORY—1 cr. (0 and 3)

A laboratory course including anatomy, physiology, and diseases of animals.

WEAVING AND DESIGNING

MR. MCKENNA

MR. CARTEE, MR. TARRANT, MR. WALTERS, MR. WILLIAMS, MR. HUBBARD

*MR. LAROCHE, MR. WHITTEN, *MR. CARSON, MR. EFLAND,

*MR. JAMESON, MR. NIVER, MR. WILLIS

WD 201—FABRIC DESIGN—3 cr. (2 and 3)

A study of the basic weaves for cloth fabrication. Plain, twill, sateen weaves, and their derivatives; drawing-in drafts, reed plan, chain drafts, shedding cam design, and analysis of fabrics to obtain weave. MR. NIVER, MR. WILLIS

WD 202—FABRIC DESIGN—2 cr. (1 and 3)

A study of the more complex and intricate weaves for fabrics. Extra warp and filling for weight and figure, filling reversible, double cloth, double plain and matelasse, Bedford Cord and pique, velveteen and corduroy, and Turkish towel. *Prerequisite:* WD 201. MR. NIVER

WD 205—CAM LOOM MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustments of the cam loom. Analytical study of the loom, adjustment and timing of the shedding motion, adjustment and timing of the picking motion, the beating-up motion, let-off and take-up motions, gearing speeds, production. MR. WHITTEN

WD 206—CAM LOOM MECHANISMS—2 cr. (1 and 3)

A further study of the cam loom mechanisms to include the automatic filling transfer, filling feelers, filling cutters, filling stop motion, warp stop motions, extra attachments such as tape selvage motions, auxiliary cams for twill and sateen weaves, and the various overhead attachments for shedding motions of more than two harnesses, loom calculations. *Prerequisite:* WD 205.

MR. WILLIAMS

* On leave.

WD 301—FABRIC STRUCTURE AND DESIGN—2 cr. (1 and 3)

A study of the plans, drafts, and specifications required for the production of plain, leno, and figured fabrics. Leno mechanisms and design; warp and filling layouts; weave combinations; fabric construction; ratio of intersections; harness, reed, and chain plans; warping and slashing plans. *Prerequisite:* WD 201.

MR. HUBBARD

WD 302—FABRIC ANALYSIS—2 cr. (1 and 3)

A study of the analysis of fabrics as they come to the mill for reproduction. Methods of determining yards per pound from a small sample and from the yarn counts; overall and ground construction; selection of yarn counts; determining the design, drawing-in-draft, chain draft, and reed plan; warp dressing plan; cotton, wool, silk, and rayon fabrics. *Prerequisite:* WD 201, 202.

MR. CARTEE

WD 305—DOBBY AND BOX MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustment of dobby and box mechanisms. Setting and timing of the cylinder, knives, dobby crank, and shed; study of the box mechanisms and the use of two or more filling yarns in the weaving of fancy fabrics; setting, aligning, and timing of the box motion, and the building of pattern chains. *Prerequisite:* WD 205, 206.

MR. CARTEE, MR. TARRANT

WD 306—JACQUARD MECHANISM—2 cr. (1 and 3)

A study of the theory and mechanisms of the jacquard machine and its complementary equipment. Types of jacquard machines and principles of operation; methods of harness building; card cutting and lacing machines. *Prerequisite:* WD 201, 205.

MR. WILLIS

WD 309—KNITTING—1 cr. (0 and 3)

A study of the principles of knitted fabric construction and hosiery production. Knitting mechanisms, construction of knitted fabrics, and hosiery, rib knitting, hosiery machinery, fancy knitting, and knitting calculations.

MR. EFLAND

WD 310—ADVANCED HOSIERY KNITTING—3 cr. (2 and 3)

A course of study of advanced types of circular hosiery machines and of the modern type of ribbers involved in the manufacture of the more complex types of hosiery. Included are a study of mill problems and a study of yarns used in the knitting of hosiery. *Prerequisite:* WD 309.

MR. EFLAND

WD 311—FLAT KNITTING MECHANISM—2 cr. (1 and 3)

Elements of flat knitting for those majoring in knitting. The course deals with principles used mainly in tricot warp knitters and the so-called knitting looms. Also included are studies of suitable yarns and preparation of knitting warps.

MR. EFLAND

WD 312—KNITTED DESIGN AND ANALYSIS—2 cr. (1 and 3)

A study of the pattern mechanisms of hosiery machines and of the pattern mechanisms of the more complicated ribbers. A study of design for these machines from the designer's standpoint and from the practical standpoint.

Analysis of knit fabrics is included along with costing procedures of a knitting mill engaged in half hose manufacture. *Prerequisite:* WD 309. MR. EFLAND

WD 401—WARP PREPARATION—2 cr. (1 and 3)

A study of warping and slashing mechanisms and the plans and requirements for efficient operation. Types of warping equipment; slashing machinery; size mixtures and processing methods for cotton, rayon, and other fibers. *Prerequisite:* WD 301. MR. MCKENNA

WD 402—FABRIC DEVELOPMENT—2 cr. (1 and 3)

Production of woven patterns as studied in fundamental courses in the Weaving and Designing Department. Fabric development, analysis, and cloth order problems. *Prerequisite:* WD 301, 302, 305. MR. WALTERS

WD 404—THROWING—3 cr. (2 and 3)

A study of the general production of a typical "synthetic throwing plant" from the time the yarn is received through its preparation for quilling, warping, etc., to include re-drawing, soaking, drying, twisting, setting and winding. *Prerequisite:* Junior standing. MR. HUBBARD

WD 410—CIRCULAR BODY KNITTING—2 cr. (1 and 3)

A study of the machines used in the underwear and outerwear trade along with the design and analysis of these fabrics. A study of the market and of the knitting trade. MR. EFLAND

WD 411—FULL FASHIONED KNITTING—2 cr. (1 and 3)

A study of the mechanics of full fashioned knitting equipment, full fashioned mills and of the trade, and a study of yarn preparation, inspection, finishing, packaging, costing, quality control, and design and analysis. MR. EFLAND

WD 412—KNITTED GARMENT MANUFACTURE—2 cr. (1 and 3)

Actual experience in the manufacture of various knitted garments along with a study of the cutting trade, a study of fabricating machines, and finishing of knitted cloth. MR. EFLAND

YARN MANUFACTURING

MR. GAGE

MR. BLAIR, MR. HENDRICKS, MR. LOVELESS, MR. MARVIN, *MR. THOMSON,
MR. THOMPSON, MR. WILSON

YM 201—BLENDING AND CLEANING—3 cr. (2 and 3)

A study of the mechanical equipment used to open, blend and clean the raw materials and to prepare cotton and other staple fibers for succeeding yarn manufacturing processes. Blending of staple fibers; calculations for drafts, measuring devices, waste, evener motions and production. MR. THOMPSON

YM 202—CARDING—3 cr. (2 and 3)

A study of the theory and operation of the card as it is used in the processing of staple fibers and the doubling and drafting of sliver on the drawing

* On leave.

frame. Card construction, settings, clothing, ratio of speeds and draft, production and waste studies on the card. Drawing frame construction, drafts and doubling.

MR. MARVIN, MR. WILSON

YM 301—ROVING FRAMES—3 cr. (2 and 3)

The construction and operation of fly frames. Drafting, twisting and winding on slubbers, intermediates, and Jack frames; production, rolls, spindles, and flyers, differential motions and cones, twist per inch, all calculations for these topics.

MR. HENDRICKS

YM 302—SPINNING—3 cr. (2 and 3)

A study of the manufacturing possibilities of the ring spinning frame and ring twister as they are used in the processing of staple fibers. The theory of the spindle, ring and traveler, drafts, twist, builder motions, production, general machine construction, and problems applicable to machines.

MR. LOVELESS

YM 305—COTTON MARKETING—1 cr. (0 and 3)

Cotton classing according to U. S. Government Standards for grades and staples. Classing and valuing all grades of cotton raised in U. S.; methods of ginning, marketing, and handling cotton; contracts and claims.

MR. GAGE

YM 306—COMBING—2 cr. (1 and 3)

A study of settings and adjustment of the comber and its preparatory machines; the value and use of its product. Timing and setting comber for various staples and required waste, production and other calculations; management; and operation of these machines.

MR. BLAIR

ZOOLOGY

MISS McDANIEL, MR. WARE, *MR. WARNHOFF

ZOOL 101, 103—GENERAL ZOOLOGY—4 cr. (3 and 3)

A study designed to give the student thorough training in fundamental types and zoological principles. The morphology, physiology, behavior, reproduction, ecology, embryology, zoogeography, evolution and palaeontology of each phylum are presented.

MISS McDANIEL, MR. WARE

ZOOL 301—ADVANCED ZOOLOGY—3 cr. (2 and 3)

A study designed to give the student advanced training in zoological principles, physiology and comparative vertebrate anatomy. *Prerequisite:* Zool 101 and 103.

MR. WARE

ZOOL 302—VERTEBRATE EMBRYOLOGY—3 cr. (2 and 3)

A study designed to give the student the fundamentals of developmental anatomy of the organ systems as illustrated by the chick and pig. By actual preparation of histological sections and mounts the student acquires practice in laboratory procedure and a working knowledge of vertebrate microscopic anatomy. Identification of the various tissues is stressed. *Prerequisite:* Zool 101, 103 and 301.

MR. WARE

* On leave.

ZOOL 306—GAME MANAGEMENT—2 cr. (2 and 0)

A study of breeding habits of game animals and birds and type of territory desirable. The ethics of sportsmanship, and the control of predators are among other subjects covered.

MR. WARE

ZOOL 402—ANIMAL PHYSIOLOGY—3 cr. (2 and 3)

A basic study of the physiological processes of ingestion, secretion, excretion, respiration, circulation, reproduction and metabolism of warm-blooded animals. This is the only basic physiology course offered at Clemson College and is designed to be of value to students majoring in Pre-Medicine, Pre-Veterinary, Animal Husbandry, Dairy and Poultry. *Prerequisite:* Zool 101, 103.

MR. FARRAR

ZOOL 502—HISTOLOGICAL TECHNIQUES—3 cr. (1 and 6)**ZOOL 556—ECONOMIC ZOOLOGY—3 cr. (2 and 3)****ZOOL 591—RESEARCH—3 cr.****ZOOL 592—RESEARCH—3 cr.**

THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD

PART VI

Public Service
Activities

AGRICULTURAL EXPERIMENT STATION STAFF

PUBLIC SERVICE ACTIVITIES

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R. M. COOPER, <i>Ex-Officio</i>	Wisacky, S. C.
T. B. YOUNG.....	Florence, S. C.
PAUL SANDERS.....	Ritter, S. C.
F. E. COPE.....	Cope, S. C.
W. A. BARNETTE.....	Greenwood, S. C.
J. F. McLAURIN.....	Bennettsville, S. C.

R. F. POOLE, PH.D., D.Sc., LL.D., LITT.D.....	<i>President</i>
H. P. COOPER, PH.D.....	<i>Director</i>

Agricultural Economics

G. H. Aull, Ph.D.....	Head of Department
F. O. Black, M.A. [°]	Agricultural Statistician
V. A. Boyd, M.S.....	Assistant Rural Sociologist
C. P. Butler, M.S. [°]	Agricultural Economist
D. E. Crawford, M.S.....	Assistant Agricultural Economist
C. L. Crenshaw, M.S.....	Assistant Agricultural Economist
C. D. Evans, B.S.....	Assistant Agricultural Economist
W. T. Ferrier, Ph.D.....	Agricultural Economist
L. D. Malphrus, M.S.....	Assistant Agricultural Economist
J. F. Miles, Ph.D.....	Associate Agricultural Economist
J. Reid Parker, B.S. ^{°°}	Assistant Agricultural Economist
D. L. Peery, M.S.....	Assistant Agricultural Economist
W. H. Peterson, Ph.D.....	Agricultural Economist
C. R. Smith, Ph.D. ^{°°}	Associate Agricultural Economist
J. M. Stepp, Ph.D.....	Agricultural Economist
H. L. Streetman, M.S. ^{°°}	Assistant Agricultural Economist
J. S. Taylor, B.S. [°]	Associate Agricultural Statistician
B. J. Todd, M.S.....	Assistant Agricultural Economist

Agricultural Engineering

G. B. Nutt, M.S.....	Head of Department
H. E. Bland, B.S.....	Assistant Agricultural Engineer
G. H. Dunkelberg, M.S.....	Associate Agricultural Engineer
W. P. Law, B.S.....	Associate Agricultural Engineer
C. M. Lund, B.S.....	Assistant Agricultural Engineer
J. K. Park, M.S. [°]	Agricultural Engineer
N. E. Shuler, B.S.....	Assistant Agricultural Engineer

Agronomy

H. P. Cooper, Ph.D.....	Head of Department
H. G. Allbritten, Ph.D.....	Associate Agronomist
O. W. Beale, M.S. [°]	Soil Scientist
E. B. Eskew, M.S.....	Assistant Agronomist
R. H. Garrison, B.S.....	Associate Plant Breeder
D. H. Horton, M.S. ^{°°}	Assistant Agronomist
W. R. Paden, Ph.D.....	Agronomist
N. R. Page, M.S.....	Associate Agronomist

[°] In cooperation with the United States Department of Agriculture.

^{°°} On leave.

T. C. Peele, Ph.D.	Soil Scientist
M. M. Phillippe, Ph.D.	Associate Agronomist
A. B. Prince, Ph.D.	Associate Agronomist
E. H. Stewart, M.S.*	Soil Scientist

Animal Husbandry

L. V. Starkey, M.S.	Head of Department
G. W. Anderson, D.V.M., M.S.	Associate Animal Pathologist
C. A. Dodson, B.S.	Assistant Animal Pathologist
E. G. Godbey, B.S.	Associate Animal Husbandman

Botany and Bacteriology

G. M. Armstrong, Ph.D.	Head of Department
W. B. Albert, Ph.D.	Associate Plant Physiologist
Joanne K. Armstrong, Ph.D.*	Agent
C. H. Arndt, Ph.D.	Plant Pathologist
C. C. Bennett, B.S.	Assistant Botanist
H. H. Foster, Ph.D.	Associate Plant Pathologist
N. B. Goebel, M.S.	Associate Forester
D. H. Petersen, M.S.*	Agent (Pathologist)

Chemistry

J. H. Mitchell, M.S.	Head of Department
E. J. Lease, Ph.D.	Nutritionist
D. B. Roderick, B.A.	Assistant Chemist

Dairy

J. P. LaMaster, M.S.	Head of Department
G. M. Barnett, B.S.	Associate Dairyman
C. C. Brannon, B.S.	Associate Dairyman
G. W. Brandt, M.S.*	Associate Dairy Husbandman
W. M. DuPre, B.S.	Assistant in Dairying
Victor Hurst, Ph.D.	Associate Dairy Husbandman
W. A. King, Ph.D.	Dairy Husbandman
C. H. Strickland, B.S.	Assistant in Dairying

Entomology

M. D. Farrar, Ph.D.	Head of Department
W. F. Chamberlain, Ph.D.	Associate Entomologist
J. H. Cochran, Ph.D.	Associate Entomologist
David Dunavan, M.S.	Associate Entomologist
W. H. Purser, M.S.	Assistant Bee Specialist

Farms

C. S. Patrick, B.S.	Head of Department
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Home Economics

Ada M. Moser, M.S.	Head of Department
Mary Frances Kendall, B.S.	Assistant in Home Economics
Florence E. Roach, B.A.	Assistant in Home Economics
Elizabeth S. Watson, M.A.	Assistant Home Economist

* In cooperation with the United States Department of Agriculture.

Horticulture

A. M. Musser, B.S.	Head of Department
J. T. Bregger, M.S.*	Senior Soil Conservationist
J. H. Crawford, B.S.	Assistant Horticulturist
O. B. Garrison, Ph.D.	Horticulturist
J. A. Martin, B.S.	Associate Horticulturist
H. J. Sefick, M.S.	Associate Horticulturist
L. O. Van Blaricom, M.S.	Associate Food Technologist

Poultry

C. L. Morgan, M.S.	Head of Department
M. A. Boone, M.S.	Associate Poultryman
C. P. Willimon, B.S.*	Assistant in Poultry Husbandry

Publications

S. C. Stribling, B.S.	Agricultural Editor
Doris A. Timmerman, B.A.	Assistant Editor

Veterinary

R. O. Feeley, D.V.S.	Veterinarian
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*Coast Station**Summerville, S. C.*

E. D. Kyser, B.S.	Superintendent
J. A. McCommas, B.S.	Assistant Animal Husbandman

*Edisto Station**Blackville, S. C.*

W. B. Rogers, B.S.	Superintendent
Robert Aycock, Ph.D.	Associate Plant Pathologist
W. A. Balk, B.S.*	Assistant Agricultural Engineer
J. C. Etheredge	Field Assistant
J. H. Hoyert, Ph.D.	Associate Agronomist
Morris B. Hughes, Ph.D.	Horticulturist
Donald W. Newsom, M.S.	Associate Horticulturist
M. R. Powers, B.S.	Associate Agricultural Engineer
V. K. Quattlebaum, B.S.	Assistant Agricultural Engineer
J. G. Watts, M.S.	Entomologist
J. J. Wolfe, B.S.	Assistant Agronomist

*Pee Dee Station**Florence, S. C.*

E. E. Hall, M.S.	Superintendent
Norman Allen, M.S.*	Entomologist
J. F. Bullock, M.S.*	Agronomist
J. F. Chaplin, B.S.**	Assistant Agronomist
L. C. Fife, M.S.*	Entomologist
Z. T. Ford, B.S.*	Agent
T. W. Graham, Ph.D.*	Agent
Sam Hagar, M.S.	Geneticist
D. C. Harrell, B.S.*	Agent
F. M. Harrell	Research Assistant
C. R. Hodge, B.S.	Assistant Entomologist

* In cooperation with the United States Department of Agriculture.

** On leave.

Q. L. Holdeman, Ph.D.	Associate Plant Pathologist
W. H. Jenkins, B.S.*	Agronomist
Vernon M. Kirk, Ph.D.	Associate Entomologist
Alfred Manwiller, Ph.D.	Associate Plant Breeder
L. J. Reep, B.S.	Assistant Agronomist
W. H. Rolfe, B.S.*	Agent
W. E. Vaught *	Agent
R. L. Walker, B.S.*	Assistant Entomologist
W. D. Yeargin *	Agent

*Sandhill Station**Route 3, Columbia, S. C.*

J. A. Riley, M.S.	Superintendent
R. H. Hawkins, M.S.	Associate Agronomist
R. J. Higdon, M.S.**	Assistant Horticulturist
W. M. Manning, Jr., B.S.	Assistant Horticulturist

*Truck Station**Post Office Box 158, St. Andrews Branch
Charleston, S. C.*

W. C. Barnes, Ph.D.	Superintendent
Frank P. Cuthbert, B.S.*	Assistant Entomologist
W. M. Epps, Ph.D.	Associate Plant Pathologist
W. J. Reid, Jr., B.S.*	Entomologist
W. T. Scudder, M.S.	Associate Horticulturist

Crop Pest Commission and Seed Certification

M. D. Farrar, Ph.D.	Entomologist
C. M. Armstrong, Ph.D.	State Pathologist
G. M. Anderson, B.S.	Assistant State Pathologist
J. A. Berly, B.S.	Entomologist
R. H. Garrison, B.S.	Associate Plant Breeder, in charge Seed Certification
J. W. Gillespie, B.S.	Assistant Chemist
D. H. Horton, M.S.**	Assistant Agronomist
W. H. Purser, M.S.	Assistant Bee Specialist
J. K. Reed, M.S.	Associate Entomologist

Fertilizer Inspection and Analysis

B. D. Cloaninger, M.S.	Head of Department
J. T. Foy, B.S.	Chemist
E. E. Leslie, B.S.*	Assistant Chemist
H. J. Webb, Ph.D.	Chief Chemist and Toxicologist

* In cooperation with the United States Department of Agriculture.

** On leave.

LIVESTOCK SANITARY WORK STAFF

COLUMBIA, SOUTH CAROLINA

State Veterinarian and Director

R. A. MAYS, B.Sc., D.V.M. Columbia

Assistant State Veterinarians

Bert W. Bierer, V.M.D. West Columbia
 W. R. Chastain, D.V.M. Columbia
 I. R. Cooper, Sr., D.V.M. Allendale
 E. T. Fisher, D.V.M. Columbia
 H. B. Hood, V.M.D. Kingstree
 F. K. Peterson, D.V.M. Columbia
 Jack Scott, D.V.M. Georgetown
 S. M. Witherspoon, B.Sc., D.V.M. Marion

Deputy State Veterinarians

W. W. Adams, D.V.M. Clinton
 N. J. Ayers, D.V.M. Greer
 O. E. Ballenger, D.V.M. Easley
 W. A. Barnette, B.Sc., D.V.M. Greenwood
 W. R. Beasley, D.V.M. Batesburg
 R. W. Beaty, Jr., D.V.M. Sumter
 M. R. Blackstock, D.V.S. Spartanburg
 B. F. Brennan, V.M.D. Aiken
 Thomas E. Brown, D.V.M. Spartanburg
 J. E. Burch, D.V.M. Lake City
 Stuart E. Burnett, D.V.M. Sumter
 Theo. L. Burriss, D.V.M. Anderson
 Wm. Mack Burriss, D.V.M. Anderson
 F. P. Caughman, Sr., B.S., V.M.D. Columbia
 F. P. Caughman, Jr., D.V.M. Columbia
 G. W. Cofer, D.V.M. Columbia
 M. D. Culpepper, D.V.M. Chester
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 Will T. Dunn, D.V.M. Greenville
 H. P. Dyches, D.V.M. Aiken
 H. W. Elder, D.V.M. Manning
 H. L. Frieze, D.V.M. Gaffney
 S. P. Calphin, D.V.M. Holly Hill
 J. G. Gibson, D.V.M. Florence
 W. H. Gilmore, D.V.M. Columbia
 L. H. Hardy, D.V.M. Camden
 C. C. Harmon, B.Sc., D.V.M. Columbia
 C. R. Hinson, D.V.M. Bennettsville
 Robert Hirshberg, D.V.M. Sumter
 C. D. Hobart, V.M.D. Cheraw
 T. P. Hoffmeyer, D.V.M. Florence
 L. J. Hogan, D.V.M. Charleston
 E. B. Hubster, D.V.M. Walterboro
 T. B. Jacobs, D.V.M. Newberry
 Claude V. Jameson, D.V.M. Anderson

Preston B. Jones, D.V.M.	Anderson
S. J. Kellett, Jr., D.V.M.	Seneca
H. B. Kinard, Jr., D.V.M.	Greenwood
Harold W. Kinard, D.V.M.	Bamberg
Don O. Kitchen, D.V.M.	Greenville
F. E. Kitchen, D.V.M.	Greenville
G. R. Kitchen, D.V.M.	Bishopville
T. E. Lanham, D.V.M.	Edgefield
Worth Lanier, D.V.M.	York
W. R. Latta, D.V.M.	Orangeburg
G. J. Lawhon, Sr., B.Sc., D.V.M.	Hartsville
G. J. Lawhon, Jr., V.M.D.	Hartsville
J. S. Lide, D.V.M.	Newberry
J. M. Livingston, D.V.M.	Newberry
Cecil B. Lowman, D.V.M.	Newberry
W. K. Magill, B.Sc., D.V.M.	Chester
Watson H. Matthews, D.V.M.	Rock Hill
W. D. Mayfield, D.V.M.	Laurens
B. K. McInnes, M.D., V.M.D.	Charleston
B. C. McLean, V.M.D.	Aiken
S. Rice McMaster, D.V.M.	Rock Hill
A. S. Moore, D.V.M.	Walterboro
G. E. H. Moore, D.V.M.	Walterboro
J. H. Moore, D.V.M.	Charleston
Clyde R. Moses, D.V.M.	Georgetown
A. J. Osteen, D.V.M.	Charleston
William F. Rawlinson, D.V.M.	Manning
T. M. Rhodes, D.V.M.	Naval Base
H. E. Riddle, D.V.M.	Greenville
Lee D. Rodgers, D.V.M.	Greenwood
R. R. Salley, D.V.M.	Orangeburg
L. V. Sanders, D.V.M.	Abbeville
Harold A. Servais, D.V.M.	Honea Path
G. K. Smith, D.V.M.	Spartanburg
G. M. Smith, D.V.M.	Greenville
James A. Smith, D.V.M.	Summerville
James R. Smith, D.V.M.	Marion
J. S. Smith, D.V.M.	Conway
J. D. Stith, D.V.M.	Hartsville
Otto M. Strock, D.V.M.	Orangeburg
Ernest D. Stuart, D.V.M.	Greenville
Pat Suber, D.V.M.	Columbia
H. L. Sutherland, D.V.M.	Union
E. R. VandeGrift, Jr., D.V.M.	Columbia
C. L. Vickers, D.V.M.	Columbia
W. J. Waters, D.V.M.	Greer
J. H. Watt, D.V.M.	Lancaster
U. E. Whatley, D.V.M.	Dillon
J. M. Williams, D.V.M.	Moncks Corner
R. L. Willis, D.V.M.	Charleston

AGRICULTURAL EXTENSION STAFF *

R. F. POOLE, PH.D., D.SC., LL.D., LITT.D.....	<i>President</i>
D. W. WATKINS, B.S., M.A.....	<i>Director</i>
T. W. MORGAN, B.S., M.S.....	<i>Assistant Director</i>
G. H. BONNETTE, B.S.....	<i>Chief Clerk and Accountant</i>

Agricultural Economics

M. C. Rochester, B.S., M.S., Ph.D.—	Leader, Agricultural Economics, Extension Work, Clemson
M. H. Sutherland, B.S.....	Extension Agricultural Economist, Clemson
P. S. Williamon, B.S.....	Farm Management Specialist, Clemson

Agricultural Engineering

G. H. Stewart, B.S., M.S.—	Leader, Agricultural Engineering Extension Work, Clemson
M. C. McKenzie, B.S.....	Extension Agricultural Engineer, Clemson
E. C. Turner, B.S.....	Extension Conservationist, Clemson
S. A. Williams, B.S.....	Cotton Ginning Specialist, Clemson
H. P. Lynn, B.S.....	Assistant Agricultural Engineer, Clemson
L. W. Johnson, B.S.....	Extension Food Improvement Specialist, Rock Hill

Agronomy

H. A. Woodle, B.S.....	Leader, Agronomy Extension Work, Clemson
W. H. Craven, B.S.....	Extension Agronomist, Clemson
H. G. Boylston, B.S.....	Extension Cotton Improvement Specialist, Clemson
J. M. Lewis, B.S.....	Extension Tobacco Specialist, Florence
J. R. Mattison, B.S.....	Extension Tobacco Specialist, Clemson

Animal Husbandry

A. L. Durant, B.S., M.S.....	Extension Livestock Specialist, Florence
L. F. Cato, B.S.....	Extension Livestock Specialist, Spartanburg

Dairying

C. G. Cushman, B.S.....	Leader, Dairy Extension Work, Clemson
C. H. Lomas, B.S.....	Extension Dairy Specialist, Clemson
J. W. Lyle, B.S.....	Assistant Dairy Specialist, Clemson

Entomology and Plant Pathology

W. C. Nettles, B.S., M.S.—	Leader, Extension Entomology and Plant Disease Work, Clemson
W. C. Johnson, B.S.—	Extension Entomologist and Beekeeping Specialist, Clemson
L. M. Sparks, Jr., B.S.—	Extension Specialist, Cotton Insects and Diseases, Clemson

Forestry

W. J. Barker, B.S.....	Leader, Forestry Extension Work, Clemson
S. W. Hall, B.S.....	Extension Forester, Columbia
C. A. Marbut, B.S.....	Extension Forester, Clemson

* List of staff members compiled October 1, 1951.

Four-H Club Work

L. O. Clayton, B.S., M.A.	State Boys 4-H Club Agent, Clemson
J. B. Williams, B.S.	District Boys 4-H Club Agent, Aiken
J. T. Rogers, B.S.	District Boys 4-H Club Agent, Florence

Horticulture

A. E. Schilletter, B.S.	Leader, Horticulture Extension Work, Clemson
R. J. Ferree, B.S., M.S.	Extension Horticulturist, Clemson
H. A. Bowers, B.S.	Extension Truck Crops Specialist, Barnwell

Marketing

T. A. Cole, B.S.	Chief, Extension Division of Marketing, Columbia
C. H. Langford, B.S.	Extension Marketing Specialist, Columbia
W. A. Tuten	Extension Marketing Specialist, Columbia
L. M. Asbill	Extension Marketing Specialist, Columbia
W. R. Flemming, B.S.	Extension Marketing Specialist, Columbia
R. D. Steer, B.S.	Extension Cooperative Marketing Specialist, Greenwood
L. C. Hamilton, B.S.	Extension Marketing Specialist, Columbia

Poultry

P. H. Gooding, B.S., M.S.	Leader, Poultry Extension Work, Clemson
E. A. Peterkin, B.S.	Extension Poultryman, Dillon
M. L. Tarpy, B.S.	Extension Poultryman, Clemson
W. B. Nesbitt, B.S.	Extension Turkey Specialist, Columbia
J. E. Thaxton, B.S.	Extension Turkey Specialist, York

Printing and Distribution of Publications

S. C. Stribling, B.S.	Agricultural Editor, Clemson
Doris A. Timmerman, A.B.	Assistant Agricultural Editor, Clemson
J. M. Eleazer, B.S.	Extension Information Specialist, Clemson
P. D. Seabrook, B.S.	Extension Radio Specialist, Clemson

Visual Instruction

L. W. Riley	Extension Specialist, Motion Pictures & Photography, Clemson
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DISTRICT AGENTS

FIRST DISTRICT	L. B. Massey, B.S.	Spartanburg
SECOND DISTRICT	J. T. Lazar, B.S.	Florence
THIRD DISTRICT	A. H. Ward, B.S., M.S.	Aiken

COUNTY AGRICULTURAL AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville	L. H. Bull, B.S.	Abbeville
Aiken	R. R. Mellette, B.S.	Aiken
Allendale	H. V. Rogers, B.S.	Allendale
Anderson	J. H. Hopkins, B.S.	Anderson
Bamberg	R. C. Hubbard, Jr., B.S.	Bamberg
Barnwell	D. A. Shelley, B.S.	Barnwell
Beaufort	W. L. Johnson, B.S.	Beaufort
Berkeley	M. C. Mason, B.S.	Moncks Corner

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Calhoun	O. W. Cain, B.S.	St. Matthews
Charleston	C. W. Carraway, B.S.	Charleston
Cherokee	T. B. Lee B.S.	Gaffney
Chester	D. C. Wylie, Jr., B.S.	Chester
Chesterfield	J. C. Willis, B.S.	Chesterfield
Clarendon	A. D. Grainger, B.S.	Manning
Colleton	L. W. Alford, B.S.	Walterboro
Darlington	W. J. Gray, B.S.	Darlington
Dillon	C. P. Goodyear, B.S.	Dillon
Dorchester	J. L. King, B.S.	St. George
Edgefield	O. W. Lloyd, B.S.	Edgefield
Fairfield	M. H. Lynn, B.S.	Winnboro
Florence	J. W. McLendon, B.S.	Florence
Georgetown	M. M. McCord, B.S.	Georgetown
Greenville	W. R. Gray, B.S.	Greenville
Greenwood	P. M. Garvin, B.S.	Greenwood
Hampton	C. W. Thompson, B.S.	Hampton
Horry	V. M. Johnston, B.S.	Conway
Jasper	J. A. Kinard, B.S.	Ridgeland
Kershaw	W. C. McCarley, B.S.	Camden
Lancaster	F. W. Cannon, B.S.	Lancaster
Laurens	C. B. Cannon, B.S.	Laurens
Lee	W. L. Bryant, B.S.	Bishopville
Lexington	S. E. Evans, B.S., M.S.	Lexington
McCormick	G. W. Bonnette, B.S.	McCormick
Marion	J. C. King, B.S.	Marion
Marlboro	Colin McLaurin, B.S.	Bennettsville
Newberry	P. B. Ezell, B.S.	Newberry
Oconee		Walhalla
Orangeburg	J. C. McComb, B.S.	Orangeburg
Pickens	J. R. Wood, B.S.	Pickens
Richland	R. W. Bailey, B.S.	Columbia
Saluda	F. M. Kearse, B.S.	Saluda
Spartanburg	W. J. Martin, B.S.	Spartanburg
Sumter	T. O. Bowen, B.S.	Sumter
Union	J. L. Cochran, B.S.	Union
Williamsburg	R. A. Jackson, B.S.	Kingstree
York	C. H. Fant, B.S.**	York
County Agent At Large	J. M. Napier, B.S., M.S.	Darlington

ASSISTANT COUNTY AGRICULTURAL AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville	J. O. Bethea, B.S.	Abbeville
Aiken	W. A. Beasley, B.S.	Aiken
Anderson	Marett Outz, B.S.	Anderson
Anderson	H. D. Marett, B.S.	Anderson
Barnwell	R. H. Sams, B.S.	Barnwell
Cherokee	L. J. P. Stone, B.S.	Gaffney
Chesterfield	J. W. Ginn, Jr., B.S.	Chesterfield
Clarendon	J. L. Brown, B.S.	Manning
Colleton	J. R. White, Jr., B.S.	Walterboro
Darlington	C. G. Newton, Jr., B.S.	Darlington
Dillon	H. F. Livingston, B.S.	Dillon
Dorchester		St. George
Edgefield		Edgefield

** Acting County Agent.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Fairfield		Winnsboro
Florence	A. C. Odom, B.S.	Florence
Florence	F. M. Fleming, B.S.	Florence
Greenville	J. K. Jones, B.S.	Greenville
Greenville	G. D. Butler *	Greenville
Greenwood	E. G. Tate, Jr., B.S.	Greenwood
Horry	D. A. Benton, B.S.	Conway
Horry	L. P. Anderson, B.S.	Conway
Kershaw	R. R. Montgomery, B.S.	Camden
Lancaster	A. F. Busby, B.S.	Lancaster
Laurens	J. S. Boozer, B.S.	Laurens
Laurens	J. F. Wise, B.S.	Laurens
Lee	V. F. Linder, B.S.	Bishopville
Lexington	M. A. Bouknight, B.S.	Lexington
Marion	M. J. Carter, B.S.	Marion
Marlboro		Bennettsville
Marlboro	D. E. Epps, B.S.	Bennettsville
Newberry	W. A. Ridgeway, B.S.	Newberry
Oconee	J. C. Morgan, B.S.	Walhalla
Oconee	D. P. Matheson, B.S.*	Walhalla
Orangeburg	J. B. Griffith, B.S.	Orangeburg
Orangeburg	J. H. Evans, B.S.	Orangeburg
Pickens	N. C. Anderson, B.S.	Pickens
Richland	C. E. Cousins, B.S.	Columbia
Saluda	C. B. Searson, Jr., B.S.	Saluda
Spartanburg	Crayton McCown, B.S.	Spartanburg
Spartanburg	C. W. Wilson, B.S.	Spartanburg
Sumter	G. H. Baker, B.S.	Sumter
Sumter	T. B. Tillman, Jr., B.S.	Sumter
Union	H. R. Montgomery, B.S.	Union
Williamsburg	L. B. Harrington, B.S.	Kingstree
York		York
York	P. H. Bedenbaugh, Jr., B.S.	York

NEGRO AGRICULTURAL AGENTS

E. N. WILLIAMS, B.S., State Supervisor, Negro Agricultural Extension Work, State College, Orangeburg, S. C.

WAYMON JOHNSON, B.S. Assistant State Supervisor, Negro Agricultural Extension Work, State College, Orangeburg, S. C.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken	T. A. Hammond, B.S.	Aiken
Anderson	G. W. Stewart, B.S.	Anderson
Bamberg	E. D. Dean, B.S.	Bamberg
Beaufort	Benjamin Barnwell, B.S.	Beaufort
Berkeley	R. C. Bacote, B.S.	Moncks Corner
Colleton	J. J. Mitchell, B.S.	Walterboro
Charleston	J. A. Amaker, B.S.	Charleston
Chester	M. M. Sitton, B.S.	Chester
Chesterfield	C. N. Wilson, B.S.	Chesterfield
Clarendon	William Thompson, B.S.	Manning
Darlington	S. C. Disher, B.S.	Darlington
Dorchester	Eugene Frederick, B.S.	St. George
Fairfield	D. G. Belton, Jr., B.S.	Winnsboro
Florence	H. S. Person, B.S.	Florence

* Special Assistant.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Florence	F. D. Garrett, B.S.*	Florence
Greenville		Greenville
Greenwood	B. C. Wright, B.S.	Greenwood
Horry	W. P. Johnson, B.S.	Conway
Kershaw	J. D. Marshall, B.S.	Camden
Lancaster	R. N. Smith, B.S.	Lancaster
Laurens	W. M. Holcomb, B.S.	Laurens
Marion	C. A. Brown, B.S.	Marion
Marlboro		Bennettsville
Newberry	B. J. Gill, B.S.	Newberry
Orangeburg	G. W. Daniels, B.S.	Orangeburg
Orangeburg	Q. J. Smith, B.S.*	Orangeburg
Richland	H. A. James, B.S.	Columbia
Spartanburg	R. C. Smith, Jr., B.S.	Spartanburg
Sumter	Arthur Sanders, B.S.	Sumter
Union	B. T. McIntosh, B.S.	Union
Williamsburg	V. B. Thomas, B.S.	Kingstree
York	B. T. Miller, B.S.	Rock Hill
Orangeburg	G. W. Dean, B.S., Negro Agricultural Agent-At-Large	Orangeburg

HOME DEMONSTRATION EXTENSION DEPARTMENT

The United States Department of Agriculture, Clemson College and Winthrop College, working in cooperation.

JUANITA NEELY, AB., M.S.	State Home Demonstration Agent, Rock Hill
JANE KETCHEN, B.S.	Assistant State Home Demonstration Agent, Rock Hill
LAURA CONNOR, B.S.	District Home Demonstration Agent, Rock Hill
SALLIE A. PEARCE, B.S.	District Home Demonstration Agent, Rock Hill
GERTRUDE LANHAM, B.S., M.S.	District Home Dem. Agent, Rock Hill
ELOISE JOHNSON, B.S.	State Girls' 4-H Club Agent, Rock Hill
GEORGIA M. TAYLOR, B.S.	Assistant State Girls' 4-H Club Agent, Rock Hill
CURTYS BALLENTINE, B.S.	Extension Health Specialist, Rock Hill
PORTIA SEABROOK, B.S., M.S.	Extension Clothing Specialist, Rock Hill
JANIE McDILL, B.S., M.S.	Extension Nutritionist, Rock Hill
MARGARET MARTIN, B.S., M.S.	Extension Food Specialist, Rock Hill
RUBY CRAVEN, B.S.	Home Management Specialist, Rock Hill
ANNIE ROGERS, B.S.	Extension Marketing Specialist, Rock Hill

COUNTY HOME DEMONSTRATION AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville	Cora Lee Coleman, B.S.	Abbeville
Aiken	Alpha Covar, B.S.	Aiken
Allendale	Mamie Sue Hicks, B.S.	Allendale
Anderson	Edith Childers, B.S.	Anderson
Bamberg	Marie Lambert, B.S.	Bamberg
Barnwell	Elizabeth McNab, A.B.	Barnwell
Beaufort	Mildred E. Koger, B.S.	Beaufort
Berkeley	Elizabeth D. Boykin, A.B.	Moncks Corner
Calhoun	Jeanne Coleman, B.S.	St. Matthews
Charleston	Matilda Bell, B.S.	Charleston
Cherokee	Teresa Caskey, B.S.	Caffney
Chester		Chester

* Assistant Negro Agricultural Agent.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Chesterfield	Lillian D. Rivers, B.S.	Chesterfield
Clarendon	Eleanor Carson, B.A., M.S.	Manning
Colleton	Eva M. McGee, B.S.	Walterboro
Darlington	Mary C. Butler, B.S.	Darlington
Dillon	Etta Sue Sellers, B.A.	Dillon
Dorchester	Ophelia Barker, B.S.	St. George
Edgefield	Betty Anne Locke, B.S.	Edgefield
Fairfield	Mattie Lee Cooley, A.B., B.S.	Winnboro
Florence	Vela Smith, B.S.	Florence
Georgetown	Margaret H. Porter, B.S.	Georgetown
Greenville	Myrtle Nesbitt, B.S.	Greenville
Greenwood	Louise McColl, B.S.	Greenwood
Hampton	Doris E. Wilson, B.S.	Hampton
Horry	B. Carolyn Meares, B.S.	Conway
Jasper	Betty O. Biggs, B.S.	Ridgeland
Kershaw	Margaret Fewell, B.A.	Camden
Lancaster	M. Evelyn Snow, B.S.	Lancaster
Laurens	Susan H. Mahon, B.S.	Laurens
Lee	Mary Robert Spencer, B.S.	Bishopville
Lexington	Louise Heriot, A.B., B.S.	Lexington
McCormick		McCormick
Marion	Willie Mae Elliott, B.S.	Marion
Marlboro	Helen M. Graham, B.S.	Bennettsville
Newberry	Margie Davis, B.S.	Newberry
Oconee	Mary C. Haynie, B.A.	Walhalla
Orangeburg	Sara E. Neely, B.S.	Orangeburg
Pickens	Sarah G. Cureton, B.S.	Pickens
Richland	Marguerite Summer, B.S.	Columbia
Saluda	Novice Hartzog, B.S.	Saluda
Spartanburg	Ellie Herrick, B.S.	Spartanburg
Sumter	Alice Jordan, B.S.	Sumter
Union	Blanche Kelley, B.S.	Union
Williamsburg	Myrtle H. McFaddin, B.S.	Kingstree
York	Rosalie C. Rayle, B.S.	Rock Hill

ASSISTANT COUNTY HOME DEMONSTRATION AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken	Margaret G. McFadden, B.S.	Aiken
Anderson	Doris O. Hughey, B.S.	Anderson
Anderson	Iris W. Miller, B.S.	Anderson
Chester	M. Eugenia Dudley, B.S.	Chester
Chesterfield	Sara E. Roper, B.S.	Chesterfield
Clarendon	Ophelia L. Hucks, B.S.	Manning
Colleton	Daisy Mainor, B.S.	Walterboro
Darlington	Evelyn Sam Campbell, B.S.	Darlington
Dillon	Liswa E. Hasty, B.S.	Dillon
Florence	M. Nell Crosby, B.S.	Florence
Florence	Marjorie Ann Jeffcoat, B.S.	Florence
Greenville	Hariet Gaston, B.S.	Greenville
Horry	Catherine Martin, B.S.	Conway
Kershaw	Frances H. Sill, B.S.	Camden
Lancaster	Dixie B. Sitton, B.S.	Lancaster
Laurens	Hazel Ann Dean, B.S.	Laurens
Lexington	Jane Sowell, B.S.	Lexington
Marion	Rosanne Stanley, B.S.	Marion

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Newberry	Virginia Dantzler, B.S.	Newberry
Oconee	Margaret W. Head, B.S.	Walhalla
Orangeburg	Betty R. Graham, B.S.	Orangeburg
Pickens	Betty Lee Palmer, B.S.	Pickens
Richland	Peggy Aiken, B.S.	Columbia
Spartanburg	Mary Agnes Ward, B.S.	Spartanburg
Sumter	Frosty E. Squires, B.S.	Sumter
Williamsburg	Martha L. Montgomery, B.S.	Kingstree
York	Jennie M. McNaull, B.S.	Rock Hill

NEGRO HOME DEMONSTRATION WORKERS

MARIAN B. PAUL, B.S., State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

WILLIE M. PRICE, Assistant State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken	Mrs. Zella Dorman, B.S.	Aiken
Allendale	Annie Mae Butler, B.S.	Allendale
Anderson	Cynthia W. Williford, B.S.	Anderson
Bamberg	Gloria Jackson Washington, B.S.	Bamberg
Barnwell	Mrs. Edna K. DuPree, B.S.	Barnwell
Beaufort	Williett Bowers, B.S.	Beaufort
Berkeley	Altamese Bell Pough, B.S.	Moncks Corner
Charleston	Albertha DeVaux	Charleston
Cherokee	Martha Reid, B.S.	Gaffney
Colleton	Gussie M. Goudlock, B.S.	Walterboro
Darlington	Sara Aiken, B.S.	Darlington
Dorchester	Lillie Mae Jamerson, B.S.	St. George
Florence	Lillian Brown, B.S.	Florence
Georgetown	Rosa G. Gadson, B.S.	Georgetown
Greenville	Delphena W. Arnold	Greenville
Greenwood	Mamie Luella Alexander, B.S.	Greenwood
Hampton	Leona W. Bing, B.S.	Hampton
Kershaw	Jennie Mae Smith, B.S.	Camden
Lancaster	Madge I. Williford, B.S.	Lancaster
Marion	Johnnie G. Sloan, B.S.	Marion
Marlboro	Minnie E. Gandy, B.S.	Clio
Newberry	Lillian G. Saunders, B.S.	Newberry
Orangeburg	Rosa R. Odom, B.S.	Orangeburg
Richland	Gertrude H. Sanders, B.S.	Columbia
Spartanburg	Cammie Fludd, B.S.	Spartanburg
Sumter	Helen C. Walker, B.S.	Sumter
Union	Laura J. Whitney, B.S.	Union
Williamsburg	Eva G. Lawrence, B.S.	Salters Depot
York	Cornelia W. Nelson, B.S.	Rock Hill

Note: All Negro Home Demonstration Agents have had college training in Home Economics.

THE SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION

The Agricultural Experiment Station of South Carolina is a department of Clemson College. The experiment station at present consists of the main station, which is located at Clemson, and five sub-stations: one at Summerville, in the coastal plain region; one at Florence, in the Pee Dee section; one at Pontiac, near Columbia, in the sandhill region, one in the trucking section near Charleston; and one in Barnwell county in the melon-growing area. The main offices and laboratories of the station are located on the Clemson College campus, while the station farm, consisting of about 200 acres, is east of and adjoining the College campus. The investigations dealing with the fundamental principles of agricultural science and with the application of such principles to practical agricultural operations are carried on in the laboratories and on the experiment station farm at Clemson. The experiments looking to the adaptation of such scientific data accumulated here and elsewhere to the conditions peculiar to certain sections of the State are carried on at the sub-stations.

It is the aim of the experiment station to conduct research work on problems which have a direct practical bearing on the agriculture of the State. With this end in view extensive experiments relative to the best methods of procedure under various conditions with the principal plants and animals have been undertaken. Economic and social problems are likewise being investigated. As progress is made the results obtained are given out to farmers in the form of bulletins, circulars, and personal letters.

Aside from the research work and the publication of results obtained from such research, the experiment station performs various other duties. Among these might be mentioned the entomological and pathological inspection work (which aims to protect the farms, orchards, and gardens of the State against the introduction of injurious insects and diseases); the biological and soil survey of the State, and the cooperative experimental work carried on with farmers in the State. The technically trained experts of the station staff are regarded as authorities in their several specialties, and they are constantly giving out information relating to the various lines of agricultural endeavor. The station staff also aids in disseminating agricultural knowledge by cooperating with the Extension Service of the College in holding agricultural meetings and conferences and by meeting with the farm demonstration agents

and giving to them technical information which they in turn carry direct to the farmers.

Close cooperation is maintained with the various research bureaus of the United States Department of Agriculture and with the departments of the College. The laboratories are always open to inspection by students and other people of the State. The same is true of the experiment station farm. There is always opportunity for a limited number of students to secure work in the various divisions of the station and to assist in the research work carried on by the members of the station staff.

Home economics research is carried on in cooperation with Winthrop College at Rock Hill. This work is designed to secure additional information on economic, social, and health factors influencing the home and living conditions of rural people.

Close cooperation is maintained between the home economics research department, the teaching and extension workers in this field, and the clubs and societies engaged in the promotion of better rural homes.

A full report of the work and expenditures of the Experiment Station is published annually and this report and all other publications of the station are free and will be sent on request. (Requests for these should be addressed to the Director, Agricultural Experiment Station, Clemson, S. C.)

FERTILIZER INSPECTION AND ANALYSIS

The work of fertilizer inspection and analysis is under the supervision of the Fertilizer Board of Control consisting of a Committee of the Board of Trustees. The work of inspection and analysis is a department of the Agricultural Experiment Station. District Inspectors are located in different parts of the State. Their duties are to collect official fertilizer samples for analysis and check on the tagging and labelling of all fertilizer material.

The chemical work consists of the analysis of commercial fertilizers as provided for by the Fertilizer Law of the State. This Department also undertakes the analysis of waters, ores, minerals, and other naturally occurring materials, portions of human bodies in cases of suspected poisoning (as provided by law), and the analysis of home-mixed fertilizers. All the work of this Department is done without charge.

THE AGRICULTURAL EXTENSION SERVICE

The agricultural extension work of Clemson College and the United States Department of Agriculture cooperating is carried on by the Clemson College Extension Service. The work is supported by federal, state, and county appropriations. The main development of extension work has come since the enactment of the Federal Smith-Lever Act of 1914 providing grants of funds to the states for this purpose. The purpose of extension work is to diffuse among farm people useful and practical information on subjects related to agriculture and the farm home, and, through demonstrations and other practical methods, to stimulate the application of such information by farm people.

Agricultural Extension Work. Under an Act of the Legislature in 1929, each county in the State has a county farm agent. These agents are agricultural college graduates who have had practical farm experience. They devote their time to the development of the agriculture of their respective counties through farm visits, demonstrations, personal conferences, meetings, community organizations, publications, letters, and otherwise. A staff of extension specialists representing the important lines of agriculture in the State assists the county agents in planning and carrying out the extension program.

Home Demonstration Work. While home demonstration work is a part of the cooperative program of extension work under the Smith-Lever Act, and is under the general direction of the Extension Service, this work is conducted under the immediate supervision of Winthrop College. Every county is provided with a home demonstration agent by legislative enactment, and these agents conduct educational demonstration work with farm women and girls in the production, preparation, and conservation of the family food supply, home marketing, home improvement, clothing, home furnishings and home management, nutrition, community organizations, girls' 4-H club work, and other farm home activities.

Negro Demonstration Work. Thirty-four negro agricultural agents and thirty-one negro home demonstration agents are employed to do extension work with negro farmers of the State in counties having large negro populations. These agents are employed in cooperation with the State College at Orangeburg, where the supervising agents for this work are located.

Agricultural Economics and Farm Management. The extension program in agricultural economics and farm management is directed toward a wider dissemination among farm people of economic information, including the results of research work and farm experience, that may be useful to them in planning and conducting their farm businesses. This program includes outlook and economic information, the analysis of farm and home accounts and enterprise records on crops and livestock, kept by farm people with the aid of extension workers, county program planning work, farm tenure work, outlook information, and other activities in this field.

Agricultural Engineering. Extension work in agricultural engineering includes mainly educational work with farm people in the proper terracing and drainage of farm lands, irrigation, the efficient use of farm machinery and equipment, plans for farm buildings and other farm structures, improved cotton ginning methods, the utilization of electric power on the farm and farm water systems.

Field Crops. Extension work with farm people on field crops includes educational demonstration work in the efficient production of high quality cotton, corn, tobacco, small grains, summer and winter legumes, hay crops, and other crops that are of importance to South Carolina farmers as sources of income and also food and feed, and the efficient use of commercial fertilizers. This work is currently emphasizing annual grazing and improved permanent pastures.

Livestock. Extension work in this project includes demonstrations in efficient livestock production, including the use of pure-bred sires, hog-feeding demonstrations, swine sanitation demonstrations, beef cattle, sheep and mule production, cooperative marketing of livestock, 4-H pig and beef calf club work, and the preservation of the farm meat supply.

Dairying. Extension work in dairying includes work with farm people in placing and encouraging the use of pure-bred sires, artificial insemination, dairy herd management, care and handling of milk, pastures and feed production, 4-H dairy calf club work, the marketing of dairy products and dairy cattle, the use of dairy equipment, and the feeding and management of the family cow.

Crop Insects and Diseases. Crop insects and diseases take a heavy toll on the farms of South Carolina every year. The extension program in this line includes educational demonstration work in the prevention and control of crop diseases, crop insects, and work with beekeepers.

Forestry. The extension program in farm forestry is directed toward the conservation, proper utilization, and efficient marketing of the farm forestry resources in the State. This program includes educational demonstration work in reforestation, thinning, pruning, selective cutting, fire protection, and timber estimating.

Boys' 4-H Club Work. Agricultural clubs of farm boys are organized for the purpose of enlisting the intelligent interest of the boys and their parents in improved methods of agriculture. This program includes the organization of 4-H clubs, supervision of 4-H club demonstrations of crops and livestock production and checking the results, training 4-H judging and demonstration teams, leadership, and citizenship training, and holding 4-H club camps, tours, and recreational meetings.

Horticulture. Extension work with farm people along horticultural lines includes mainly demonstration work in home orchard establishment and management, commercial peach and apple production, home gardens, the production of commercial truck crops, and sweet potato production. The emphasis is placed upon the efficient production of quality products both for home use and for the market.

Marketing. Since the efficient marketing of farm products cannot be wholly separated from production, much of the time of all extension workers is devoted to assisting farm people with their marketing problems. This program includes assistance in the organization and operation of cooperative marketing associations, co-operation with auction markets, supervision of the federal-state shipping point inspection service for fruits and vegetables, demonstrations in grading and packing farm products, all of which is connected with the work of the Extension Service in aiding farm people to produce the varieties and quality of farm products that can be sold on the markets in this State and in other states.

Poultry. The extension program of poultry demonstration work includes demonstration poultry and turkey flocks, the brooding and rearing of chicks, disease and parasite control, the construction of

poultry houses and the use of poultry equipment, the development of poultry breeding flocks, 4-H poultry club work, and the marketing of surplus poultry and eggs from the farms of the State.

Publication and News. The extension program of publications and news includes the preparation, editing and distribution of agricultural bulletins, news material and circulars, both from the College, and from the offices of the county agents and home demonstration agents. Mimeographed news articles and special news stories of agricultural interest are supplied to the newspapers of the State, and to the Associated Press. Monthly letters or printed circulars on poultry, orchards, gardening, dairying and Boys' 4-H club work are mailed free of charge to those persons especially interested in these subjects. Bulletins covering the important lines of farm activity in the State are prepared and made available to farm people who desire such information.

Radio Programs. Radio programs are presented weekly over almost all of the radio stations in the State, bringing current agricultural news to the farm people.

Visual Instruction. The extension program of visual instruction includes the production and showing of educational motion pictures, film strips, and slides on agricultural and home economics subjects, and the production of photographs, charts, maps, and other visual educational material.

Other Activities. The Extension Service represents the Clemson Agricultural College, which is the Land Grant College of the State, in conducting the educational work among farm people in connection with agricultural programs of the Federal government, such as the Agricultural Adjustment program, the Soil Conservation program, the Rural Electrification program, the Tennessee Valley Authority program, Farm Credit, and others. In addition, special programs, which involve the organization of agricultural resources, and other emergency programs of this nature are organized and conducted by the Extension Service.

LIVESTOCK SANITARY WORK

The function of the Livestock Sanitary Department is to assist livestock owners in the control and eradication of contagious, infectious and communicable diseases of livestock and poultry. When requested, investigations are made, and when necessary, assistance

is rendered in the treating of livestock. Advice is also given for the control and eradication of diseases. In cooperation with the Federal Government and other States, this department maintains quarantine measures to prevent, so far as possible, the introduction of diseased livestock into the State.

This department of the College maintains a fully equipped laboratory in Columbia for the purpose of assisting veterinarians and owners of livestock and poultry in making diagnoses which cannot always be made in the field.

While the main office of this department is in Columbia, Assistant State Veterinarians are located in various sections of the State where their services may be obtained on short notice upon request.

In addition to the regular force of veterinarians directly connected with the Columbia office, practicing veterinarians are commissioned as Deputy State Veterinarians and assist in the control and eradication of contagious and infectious diseases of livestock. At present there are seventy-nine veterinarians so commissioned, and their locations are such that the Clemson College Livestock Sanitary Department is in position to render prompt service to livestock owners in all sections of the State.

The Clemson College Livestock Sanitary Department is fully equipped with large stocks of all classes of veterinary biologics for the control and eradication of contagious and infectious diseases of livestock. These products are used by our veterinarians in assisting with the control of contagious and infectious diseases and the owner pays for them on a cost basis.

This department is required by legislative enactment and supported by legislative appropriation.

CONTROL OF CROP PESTS AND DISEASES

The work of eradicating or preventing the introduction, spread or dissemination of any injurious insects and plant diseases is carried on under the direction of the State Crop Pest Commission. The State Entomologist and the State Pathologist have charge of this work under the commission.

The work of these officers consists in the control of contagious plant diseases and insect pests. Supervision of all nursery stock sold within the State is a duty of the Crop Pest Commission.

A permit tag issued by the State Crop Pest Commission should be attached to every package of nursery stock, seed, or plants offered for sale or shipment for planting purposes.

THE ENGINEERING EXPERIMENT STATION

The Engineering Experiment Station of the Clemson Agricultural College was established by the Board of Trustees in July, 1924. Its purpose is to aid the present industries in the State to do research work on the material resources of the State with a view of leading to the establishment of new industries, to study methods of utilizing waste products, etc.

In addition to serving the industries of the State and helping to solve engineering problems for the agricultural interests, it is hoped, in cooperation with the stations of other states, to add to the store of scientific and engineering knowledge. The staff consists of well-trained men from the various schools and departments of the College. The laboratories of the several departments of engineering, as well as others, are available for the use of the station in its investigation.

During the war period the Engineering Experiment Station undertook worthwhile projects in cooperation with the War Production Board. Emphasis is now being placed upon special research in ceramics.

ITINERANT TEACHER TRAINING IN VOCATIONAL EDUCATION

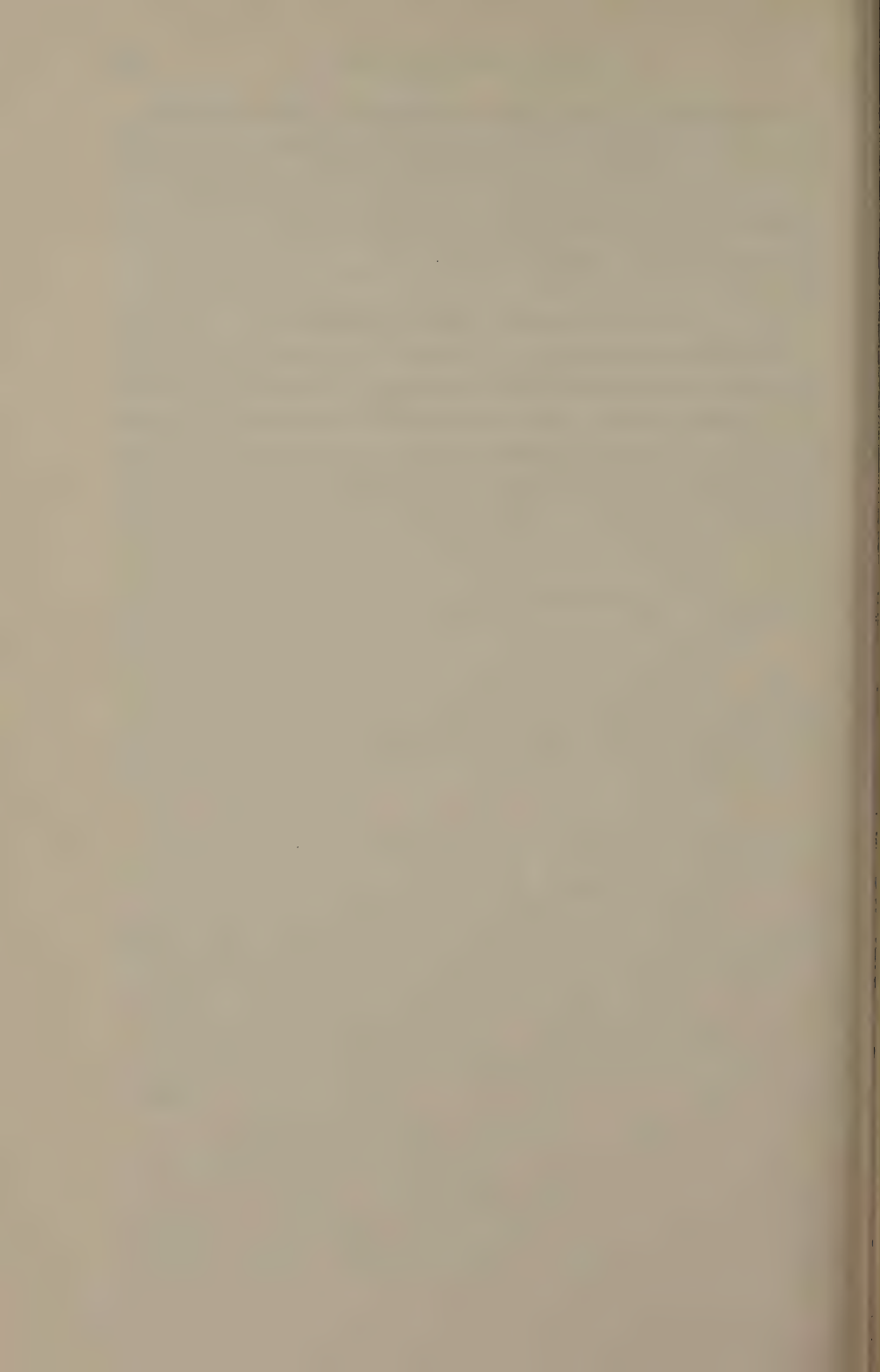
The College in cooperation with the State Department of Education is glad to assist those who teach vocational subjects in day trade schools and evening trade and industrial classes by supplying a trained man to assist in the work of organizing classes, organizing courses of study, making plans for teaching evening classes, and actually teaching vocational subjects. Requests for information regarding this service should be addressed to Mr. L. R. Booker, State Teacher Trainer in Industrial Education, Clemson, South Carolina.

The members of the staff of Agricultural Education visit all beginning teachers for the purpose of assisting them on the job and also for the purpose of collecting information which may prove helpful in improving the work of teacher training at the College. In addition, conferences of teachers are held and consulting services made available in the interest of the professional growth of agri-

cultural teachers, the rendering of service to agricultural communities, and the development of leadership among agricultural youth through the program of the Future Farmers of America. Professor J. B. Monroe, Head, Department of Vocational Agricultural Education has general charge of this work. Information on any phase may be secured by contacting him.

SHORT COURSES AND CONFERENCES

The facilities of the College are made available for special meetings, such as farm groups, rural ministers, religious organizations, and scientific societies; and arrangements are made for special short courses in poultry, beekeeping, food preservation, cotton classing, water supply and sanitation, etc. Such activities, undertaken in the interest of the general welfare, are encouraged by the College.



THE
CLEMSON
AGRICULTURAL
COLLEGE
RECORD

PART VII

Student Register
1951-1952

GRADUATES OF 1951

BACHELORS' DEGREES CONFERRED JANUARY 28, 1951

SCHOOL OF AGRICULTURE

BACHELOR OF SCIENCE DEGREE

Agriculture—Agricultural Economics Major

Lucius Marion Gullede.....Wedgefield Donald Lee McCall...Hendersonville, N. C.

Agriculture—Agronomy Major

William Waldrep Allen.....Spartanburg	John Wesley Gregory, Jr.*.....Union
Vernon Reid Barker.....Allendale	John Henderson Pitts, III.....Clinton
Thomas Wade Culp.....Fort Mill	George Paddock Salley.....Salley
John Lawrence Easterling, Jr.....Hartsville	Fred Daniel Sease.....Ehrhardt
Eugene Cantrell Wolfe, Inman	

Agriculture—Animal Husbandry Major

Carlton McEwan Baldwin.....Georgetown	Athen Randle Morris, Jr.....Olar
Thomas Pressly Castles.....Columbia	Charles Gordon Newton, Jr...Myrtle Beach
Kimsey C. Eskridge.....Cheraw	Marett Outz.....Fair Play
Claude Monroe Inman.....York	Malcolm Andrew Robison.....Donalds
Charles Jefferies Maddox.....Gaffney	Joseph McMillan Tate.....Gaffney
Elmer Wolfe Medlin.....Hartsville	DeWitt Talmadge Welborn, Jr...Chester

Agriculture—Dairy Major

Horace Bryan Gassaway.....Honea Path	William Wilson Parr.....Newberry
John Pattison Lanham.....Edgefield	Jones Edwards Smith.....Spartanburg

Agriculture—Horticulture Major

Willis Watchell Butts.....Walhalla	John Lowry Frierson.....Denmark
William Martin Dees.....Blenheim	Hugh Swinton Jenkins...Wadmalaw Island
John Watts Smith,* Lancaster	

Agriculture—Poultry Major

Henry Lester Creech.....Olar	Robert Jacob Miller.....Atlanta, Ga.
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Agricultural Engineering

Hal Edwin Bland **.....Gaffney	John Harris McMullan.....Cornelia, Ga.
Clifford Morgan Cofer *.....Charlotte, N. C.	William Allen Nickles, Jr. *.....Hodges
James Telford Craig.....Pickens	Marion Whitney Ritter.....Hickory, N. C.
Hardin Sylvester Joyce.....Stoneville, N. C.	Joseph Byrne Tedder.....Cherryville, N. C.
Preston Howard Weeks, Aiken	

SCHOOL OF ARTS AND SCIENCES

BACHELOR OF SCIENCE DEGREE

Arts and Sciences

Douglas Thomas Angley *.....Gastonia, N. C.	Alexander Harrison McLaurin...Bennettsville
William Walter Berry.....Greenville	William David Matthews.....Manning
Harvey Eugene Ferguson, San Rafael, Calif.	Arthur Henry Schaufelberger ***.....East Islip, N. Y.
Joe Smith Fulmer *.....Saluda	Kulman Bussey Smith.....Savannah, Ga.
Joseph Walter Herring, Jr.....Spartanburg	Albert Prince Taylor, Jr.....Charleston
Robert Frank Holroyd.....Anderson	Oscar Newton Thompson.....Columbia
William Chapell Laffoday.....Lamar	

Industrial Physics

John Frank Dickson, Jr.....Rock Hill	David Lee McFalls.....Cliffside, N. C.
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Pre-Medicine

James Harrison Bowers.....Walhalla	John Franklin McLaurin.....Bennettsville
Henry Stewart Ehrhardt.....Ehrhardt	Miller Nathaniel Richbourg...Orangeburg
Joseph Jack Lipton.....Beaufort	Holland Powell Walker, Jr.....Fort Mill

* With honor.
 ** With high honor.
 *** With highest honor.

SCHOOL OF CHEMISTRY

BACHELOR OF SCIENCE DEGREE

Chemistry

Robert Welsh Duvall,* Cheraw

SCHOOL OF EDUCATION

BACHELOR OF SCIENCE DEGREE

Education

Reed Hagen Ashley.....Level Land Robert Millen Simpson, Jr.....Columbia

Industrial Education

Thomas Osborne Boykin, Jr.....Camden	Harvey Eugene Morgan, Jr., Salisbury, N. C.
Charles Tucker Minshew.....Johns Island	Samuel Bowers Paysinger.....Ninety Six
Carl Dixon Plyler, Lancaster	

Vocational Agricultural Education

Edward Rufus Bryant.....Pacolet	Edward Malcolm Martin.....Sumter
John Durant Chastain.....Taylors	Joe Raymond Meredith.....Seneca
Harold Sebastain Clinkscales.....Starr	Bernard Joseph Mullin.....Chadbourn, N. C.
Wilton Talmadge Cook.....Owings	Benjamin Everett Prosser.....Hyman
James Rowley Graham.....Inman	Roy Edwin Simpson.....Lancaster
Harold Albert Hudson.....Walhalla	Seba Walton Stoudenmire.....Lone Star
Carlton Genair Hutchinson.....Nichols	Walter Saxon Walker.....Blackville
Whitfield Cook Marshall.....Heath Springs	George Albert Wolfe.....Inman

SCHOOL OF ENGINEERING

BACHELOR OF SCIENCE DEGREE

Architectural Engineering

Paul Calder Bradham.....Sumter	Norris Ray Gabriel.....Memphis, Tenn.
Willis Clarence Fowler.....Columbia	William Derrick Peake.....Arlington, Va.

Architecture

Wilton Lindsay Ferguson.....Spartanburg	James Harold Mack.....Garnett
William Ernest Helms, Jr.*.....Molino, Fla.	Jacques Roland Shepard, Washington, D. C.
James Riddick Hunter.....Lancaster	Kenneth Yeoman Smith.....Liberty
Harry E. Turner, Greenville	

BACHELOR OF CHEMICAL ENGINEERING DEGREE

Thomas Marshall McCurry, Anderson

BACHELOR OF CIVIL ENGINEERING DEGREE

Thomas Lesslie Arnold.....Woodruff	William Randolph Hale.....Greenville
Hugh Eugene Brinson, Savannah Beach, Ga.	Wendell Martin Houston.....Easley
Ernest Alfred Byrd.....Branchville	Carl Ferdinand Leavy.....Brunswick, Ga.
Willie Berry Carr, Jr.....Laurens	Lloyd Standwood Mitchell.....Walterboro
William Randolph Coleman.....Saluda	William Howard Reed, Jr.....Savannah, Ga.
Thomas Michael Croke, III, Philadelphia, Pa.	Clark Olin Riddle*.....Taylors
Robert Hoyle Gibson, Jr., Waynesville, N. C.	William Carlton Singleton**.....Pickens

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

John Willis Conway.....Somerville, Mass.	Carland Caldwell Horne.....Loris
William Thurston Crane, Jr.....Savannah Ga.	Alan Brinkley Killingsworth*.....Aiken
William Legon Dixon.....Sumter	Lionel Maurice McBride, Parkersburg, N. C.
William Ray Ellis.....Anderson	Frank Arnold McClure, Jr.....Varnville
Thomas Cecil Ferguson.....Greenville	Kenneth Frederick Morick, Kenilworth, N. J.
Franklin Hartford Green.....Griffin, Ga.	Willie Kelly Patterson.....Greenwood
Joseph Frank Pavia, New Brunswick, N. J.	

* With honor.

** With high honor.

BACHELOR OF MECHANICAL ENGINEERING DEGREE

Thomas Rives Boykin, Jr.	McColl	William Rhett Taber, Jr.	Greenville
James William Cates.	Seneca	Louis Westfield Turnage.	Hartsville
John Edward Chambers.	Piedmont	James Leandrew Whitlaw.	North Augusta
Andrew McGee Herbert, Jr.	Piedmont	David McDonald Williamson, Jr.—	Naval Base
Billy Wayne Parsons.	Rock Hill	Clyde LeGrande Woollen, Jr., *	Atlanta, Ga.
Leon Eugene Rose.	Sardinia		

SCHOOL OF TEXTILES

BACHELOR OF SCIENCE DEGREE

Textile Chemistry

Howell Norryce McGuire.	Clemson	William Frank Taylor.	Charleston
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Textile Engineering

John Robert Beeks.	Greenville	Eugene Wallace Roberts, Jr.	Ninety Six
Max Arnold Craig.	Clover	Harry Guilford Rushton.	Greenville
Alton Leon Dumas.	Rockmart, Ga.	Boyce Milton Seago, Jr.	Vauluse
Cecil Judson Price *.	Ninety Six	James Ray Stewart.	Clemson

Textile Manufacturing

Lloyd George Addis.	Walhalla	William Marion Kirby, Jr.	Laurens
William Richardson Alexander.	Aiken	Esco Milian Leopard.	Woodruff
Warren Poitiaux Bethel.	Charlotte, N. C.	Walter Harold Lewis.	Pickens
Joseph Miller Black, Jr.	Anderson	Robert Miller Long.	Edgmoor
John Hamlin Blackwell, Jr.	Marion	Victor Ivan Lubash.	New York, N. Y.
Donald Joseph Brett *.	New York, N. Y.	Donald Leon McKinney.	Spartanburg
Roger Stanley Brown.	Clemson	Jefferson Davis McMahan, III.	Columbia
James Flynt Buxton.	Sardis, Ga.	Woodrow Wilson Metz.	Iva
David H. Campbell.	Edgefield	James Cephus Myers.	Westminster
Wallace Lee Campbell, Jr.	Edgefield	Richard Allen Opt, Jr.	Anderson
Philip Gustave Carlson, Jr.	North Augusta	James Vandiver Patterson.	Clemson
James Foster Cathcart ***.	Bishopville	Thomas Bradley Poole.	Clemson
Joseph William Christenbury *.	Charlotte, N. C.	James Manly Pursley.	Clover
Robert Sevier Davis.	South Boston, Va.	Carl Edward Reddick.	Sardis, Ga.
Lewis Clifton Deanhardt.	Belton	Robert Lee Rogers.	Pelzer
Frank P. Deason.	McCormick	Douglas Palmer Roper.	Spartanburg
Gene Emory DeLoach.	Beaufort	William David Sanders.	Anderson
William Hilliard Dixon.	Brevard, N. C.	William Black Sawyer.	Johnston
George Welch Eleazer, Jr.	Columbia	Frank Hunter Simpson, Jr.	Clinton
Clyde Walton Gailey.	Anderson	Roland Randall Skelton.	Atlanta, Ga.
Joe Malcolm Glenn.	Greer	Charles Franklin Skinner.	Woodruff
William Lynch Grist.	York	Jack Winslow Sloan, Jr.	Clemson
Coy Horton Hamilton.	Atlanta, Ga.	James Fraser Sofge, Jr.	Aiken
Sherley Leander Hamrick.	Laurens	Robert Nourse Van Ham *.	Auburn, Maine
Hugh Allen Haynie.	Anderson	John Dawson Waters.	Johnston
Benjamin David Hicks *.	Fort Mill	Robert Neal Williams.	Spartanburg
Charles Edward Hollis, Jr.	Central	Leroy Eugene Wilson.	Spartanburg
Joseph Levern Huckabee.	Marion	Walter Owens Wylie, Jr.	Chester
		Joseph Allen Wyse.	Spartanburg

MASTERS' DEGREES CONFERRED JANUARY 28, 1951

SCHOOL OF CHEMISTRY

MASTER OF SCIENCE DEGREE

Chemistry

Allen Ridley Slone, Pendleton

SCHOOL OF EDUCATION

MASTER OF SCIENCE DEGREE

Vocational Agricultural Education

Carl Dewel Boggs.	Seneca	George Smith McKenzie.	Mullins
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* With honor.

*** With highest honor.

SCHOOL OF TEXTILES

MASTER OF SCIENCE DEGREE

Textile Chemistry

Mohammed Hafiz-ul Islam, Rajshahi, East Pakistan

BACHELORS' DEGREES CONFERRED JUNE 3, 1951

SCHOOL OF AGRICULTURE

BACHELOR OF SCIENCE DEGREE

Agriculture—Agricultural Economics Major

Billie Collins Berry.....	Johnston	Robert Hall Steele.....	Bear Poplar, N. C.
Ernest Ranson Brown, Jr.....	Iva	Sidney Wallace Tinsley.....	Spartanburg
Vernon Oneil Moore.....	Lake City	Marcus Henry Wall.....	Lyman
Jerold Franklin Pittman.....	Seneca	Deaver Blaine Williams, Jr.*	Landrum
	Theiron Donald	Wilson,*	Cades

Agriculture—Agronomy Major

Morris Wilburn Alexander.....	Westminster	Alva Clark Jenkins.....	Clemson
William Ernest Berry, Jr.....	Elloree	Darcey McBride Jones.....	Glenn Springs
Francis LeRoy Bradham.....	Sumter	Rupert Henry Kinard.....	Islandton
Robert Maury Brown.....	Iva	Lawton Edward Kizer, Jr.....	Greenville
Willard Dye Evans.....	Kingstree	Marion Aaron Langston.....	Timmons ville
Charles Philip Hamer *	Tatum	Harry McCaskill McDonald.....	Hartsville
Ted Bishop Hammett.....	Inman	Alan Bowen Sibley, Jr.**	Greenville

Agriculture—Animal Husbandry Major

Mabry Binnicker.....	Norway	Arthur Edward Liebenrood.....	Mt. Pleasant
Paul Austin Boyd.....	Loris	Marvin Whetstone Livingston.....	North
Lowell Sumpter Clark.....	Johnston	John Adolph McCommas—	Elizabeth town, N. C.
Everette Allen Corley.....	Greenwood	Joseph Betts Newton.....	Myrtle Beach
Walter Hill Elliott, Jr.....	Summerville	George Lennox Pittman.....	Myrtle Beach
Henry Edgar Fickling, Jr.....	Ridgeland	Donald McCray Rankin.....	Gastonia, N. C.
Vance Gandy, Jr.....	Florence	Eldon Donald Risher.....	Ellenton
Hubert Benson Hardee.....	Loris	James Lester Sanderson.....	Dillon
Maxcy Patterson Hunter.....	Lanford	Winston Hall Sibley **	Greenville
Thomas Harold Jeffords.....	Florence	William Marius Smith.....	Oakland, Calif.
Darol Albert Kirby.....	Timmons ville	Roy Edwin Wilkerson.....	Hickory Grove
Donald Bascom Lewis.....	Mullins		
	Stephen Friendly	Wyndham, Moncks Corner	

Agriculture—Botany Major

Hans Ferdinand Paul, North Charleston

Agriculture—Dairy Major

Milda Dorath Boulware, Jr.....	Anderson	James McCarter Gaston.....	Richburg
James Edward Cushman.....	Chester	Oscar Fred Lovelace.....	Prosperity
	Maurice David	Rice, Augusta, Ga.	

Agriculture—Entomology Major

George Charles Finklea.....	Florence	Earle Wilburn Moore *	Westminster
John Leslie McKee, Jr.....	Chester	Albert Cornelius White.....	Clearwater, Fla.

Agriculture—Horticulture Major

Harold Benjamin Foster.....	Chesnee	Marshall Dobbs Mull.....	Anderson
Harold Hancock.....	Ruby	Haskell Lorick Shealy.....	Batesburg
Harris Hancock.....	Ruby	Jackson Lewis Sims.....	Orangeburg
William John Jenkins.....	Osborn	Robert Mason Sims.....	Spartanburg
Wyndham Meredith Manning, Jr.,*	Columbia		

Agriculture—Poultry Major

Alfred Willard Saunders.....	Rutherford, N. J.	John Finlay Welter.....	Greenville
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* With honor.

** With high honor.

Agricultural Engineering

Hugh Morris Gambrell.....	Owings	Robert Melvin Prince, Jr.*.....	Lynchburg
Wilton Allen Jones.....	Neeses	Eldred William Quinn.....	Spartanburg
John Croydon King, Jr.....	McBee	Robert Rhett Sansbury.....	Effingham
Herbert Eugene McLeod*.....	Rembert	William Thomas Vick.....	Lancaster
Thomas Wylie Nunnery.....	Edgmoor	James Wilbur Woodfin.....	Inman

SCHOOL OF ARTS AND SCIENCES

BACHELOR OF SCIENCE DEGREE

Arts and Sciences

Dewey Clifton Brock, Jr.....	Clemson	Olin Ray Lever.....	Charleston
Maxie Byrd Burch.....	Florence	Loyd Hames Lovelace.....	Gaffney
Carol Ray Cox.....	Camden	William Henry Davis McGregor**.....	Greenville
John Thomas Eli Cribb.....	Spartanburg	William Richard Mattox*.....	Columbia
John Mayer Fairey.....	Orangeburg	Perry Blackshear Newton, Jr.....	Dillon
John Bruce Foster.....	Woodruff	James Ralph Rochester.....	Greenville
William Henry Drayton Gaillard, Jr.—	Florence	Clyde Earl Saunders.....	Gastonia, N. C.
Bailey Bruce Hall.....	Iva	Edwin Cade Sherwood.....	Dillon
Benjamin Shinn Horne, Jr.....	Charleston	Lawrence McClusky Wheatley.....	Kathwood
Milton Jackson King.....	Belton	Arthur Quincy Woodward, Jr.....	Aiken

Industrial Physics

Gary Hayes, Jr., Ellenton

Pre-Medicine

George Byars Anderson.....	Chester	Vernon Evans Merchant, Jr.....	Barnwell
John Iver Howell, Jr.....	New York, N. Y.	Pickens Kinard Moyd.....	Ninety Six
Thomas Charles Mann*.....	Greenville	James Earl Padgett, Jr.....	Ridgeland
	Elliott Crayton Schofield,*	Marion	

SCHOOL OF CHEMISTRY

BACHELOR OF SCIENCE DEGREE

Chemistry

William Joseph John Hasek.....	Carteret, N. J.	James Edgar Pennell.....	Anderson
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SCHOOL OF EDUCATION

BACHELOR OF SCIENCE DEGREE

Education

Samuel Ezra Askins.....	Kingstree	Glenn Dempsey.....	Cedartown, Ga.
William Gettys Carter.....	Greenville	Allen Nathaniel Reeves.....	Ravenels
Charles William Davis.....	Waynesville, N. C.	George Feland Shelton*.....	Naval Base

Industrial Education

Clarence Roosevelt DuBose, Jr.....	Ellenton	Mack Isham Patten.....	Easley
Kenneth Beal Farmer.....	Marble, N. C.	Harry Wallace Reid.....	Piedmont
	Edward Allen Smith,	Spartanburg	

Vocational Agricultural Education

Isaac Dennis Auld, Jr.....	Mt. Pleasant	Gilbert Woodrow Littlejohn.....	Cowpens
Shelley Lloyd Caulder.....	Lake City	James Mayes Mayson.....	McCormick
Hugh Grier Faulkner.....	Clover	Norton Robert Munn.....	Awendaw
Joel Medford Greer.....	Westminster	Elmer Emanuel Shealy.....	Gilbert
Billy Luke Grigsby.....	Saluda	Bernard Carl Sheriff.....	Martin, Ga.
Gary Franklin Hammond.....	Seneca	David Edward Small.....	Davidson, N. C.
William Alvin Harris.....	Seneca	Morgan Baxter Sowell.....	Elloree
Edgar Charles Hart, Jr.....	Florence	Leland Crumpton Stoddard.....	Fountain Inn
John Lester Huffman, Jr.....	Newberry	Frank Rollings Stover.....	Kershaw
Derrele Camden Hutchins.....	Walhalla	Leslie Minter Stover.....	Kershaw
Hughie Thomas Johnson.....	Inman	John Ellis Terry*.....	Iva
	Frederick Boyd Vansant,	Leesville	

* With honor.

** With high honor.

SCHOOL OF ENGINEERING

BACHELOR OF SCIENCE DEGREE

Architectural Engineering

Warren Raymond Brenner	Jamaica, N. Y.	Truman Ree McCoy, Jr.	Anderson
John Thomas Drafts	Lexington	Royall Edward Norton	Florence
George Paul Labra	Brooklyn, N. Y.	Charles Edwin Taylor, Jr.	Lexington

Architecture

Joseph Townsend Barnett,*	Memphis, Tenn.	Joe Allen Lusk	Johnson City, Tenn.
Kirk Robins Craig	Greenville	Leonard Theodore McCoy	Belton
Billy Burton Ezell	Spartanburg	William Alvin McDonald, Jr.	Johnson City, Tenn.
Fletcher Earle Gaulden	Laurens	Harry Cline Merritt, Jr.	Columbia
Edward Aloysius Hilla, Jr.	Belleville, N. J.	Carl Yates Parker	Cruger, Miss.
Clayton Malcolm Hyland	Braintree, Mass.	James Patterson	Spartanburg
Thomas Benjamin Kendrick, Jr.	Spartanburg	William James Rabon, Jr.	Lake City
Robert Theodore Lawrence, Jr.	Memphis, Tenn.	Marvin Harold Saline	Raleigh, N. C.
James Burton Lindsay	Clemson	Edward Blackwell Watt**	Hartsville
Thomas Edmund Whitmire	Asheville, N. C.		

BACHELOR OF CERAMIC ENGINEERING DEGREE

Harold Ezra Bishop, Inman

BACHELOR OF CHEMICAL ENGINEERING DEGREE

Robert William Chambers	Hayesville, N. C.	Ivan Louis Tominack—	
William Charles Hood	Easley		Windsor Heights, W. Va.
George Mallory Strickland, Jr.	Concord, Ga.	Thomas Ward, Jr.	McClellanville
	Lionel Eugene Wooten	Hughy Allen Woodle, Jr.	Clemson

BACHELOR OF CIVIL ENGINEERING DEGREE

Robert Nolan Bowen	Chesnee	John Elmer Hamilton	Graniteville
George Fred Brandt, Jr.	Augusta, Ga.	James Edwin Mauldin	Anderson
Francis Christie	Palmyra, N. J.	John Gardner Peeler	Asheville, N. C.
Clifford Dean Coleman, Jr.	Anderson	James Hunt Stovall	Elberton, Ga.
Roger Odom Courtney	Johnston	James Thomas Triplett	Chester
Alvan Davis Gale	Brunswick, Ga.	David Murray Walters	Salisbury, N. C.
Robert Julian Grubbs	Westminster	James Woodside Williams, Jr.	Spartanburg

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

George Clarence Aldous*	Naval Base	Clyde Harper Gambrell, Jr.	Greenville
Lewie Lanham Bates	Greenville	Howard Eugene Hord**	Sharon
Robert Barry Behling	St. George	John Madison Hudgens	Laurens
James Willard Bryson*	Lyman	Paul Frazier MacDonald*	Charleston
Jesse E. Crim	Greer	Thomas William Morgan	Startex
William Harvey Drake	Donalds	Dennis Brinson Perkins, Jr.	Savannah, Ga.
Donald Hugh Ellis	Spartanburg	Chester Canfield Phillips, Jr.	Blackville
Charles Howard Evans, Jr.	North Charleston	James Fountain Stuckey	Easley
Lee Poole Farmer	Spartanburg	Furman Samuel Ulmer**	Brunson
Jack Carter Ferguson*	West Asheville, N. C.	Marshall Thomas Ware	Iva
	Robert Martin Wolfe,*	John Clifford Wilson	Greenville
			Rock Hill

BACHELOR OF MECHANICAL ENGINEERING DEGREE

Carson De Cash, Jr.	Philadelphia, Pa.	Colin Quintillus Jeffords	Florence
Charles Harold Cleland	Ridgeland	Frederick Johanns Mappus, Jr.	Charleston
Alfred Lawrence Conte	Oakmont, Pa.	Joe Wilbur Orr	Darlington
Roy Eugene Duncan	Callison	William Albert Pearson	Greenville
Jack Hyman Dunn*	Augusta, Ga.	Joshua Arrington Shockley, Jr.	Falls Church, Va.
Forrest Wright Faulkenberry	Chester	James Bailey Smith	Rock Hill
Elbert Hines Hamilton	Seneca	Otha Howard Vaughan	Seneca
James Donald Henry*	Simpsonville	Clarence Henry Von Harten, Jr.*	Beaufort
Robert Franklin Jacobs	West Columbia		

* With honor.

** With high honor.

SCHOOL OF TEXTILES

BACHELOR OF SCIENCE DEGREE

Textile Chemistry

Horatio Seymour Buck, Jr.	Edgmoor	Charles Benjamin Morris.	Spartanburg
Charles Edward Coleman.	Anderson	William Beckmann Robertson—	
Billy Gaines Estes.	Ware Shoals		Hagerstown, Md.
Wilbur Kiefer Hammett.	Inman	Walter Lee Thompson **	Belton
Malbourne Grady Michael,*	Linwood, N.C.	Hugh Merritt Tobin.	North Charleston

Textile Engineering

Allison Adger Bissell.	Spartanburg	David Mack Ford.	Clover
Rex Albert Bowen.	Belton	Gaston Gage, Jr.	Clemson
St. John Courtenay.	Greenville	Herbert Harris McClellan.	Pendleton
	John Gee Williamson, Jr.,		Timmons ville

Textile Manufacturing

Odis Leroy Bain.	Greenwood	Clarence Eugene Hill.	Greenville
George Marion Barrett.	Atlanta, Ga.	Frederick Charles Hoffmann—	
James Otis Barrow, Jr.	North Augusta		Elmhurst, L. I., N. Y.
Henry Elliott Batson.	Greenville	John Brown Hooper.	Anderson
Harry Gasque Batson.	Laurens	Samuel Reid Horton, Jr.	Rock Hill
Ernest Bezold Berry **	Pendleton	Guy Reid Isenhour, Jr.	Hickory, N. C.
Ben Ryan Black, Jr.	Union	Fred Albright Jarrett.	Chester
Robert Emory Bowen.	Greenville	George Washington Jones.	Bishopville
Richard Parks Boyd.	Charlotte, N. C.	Robert Lee Keasler.	Westminster
William David Bozard.	Silverstreet	Gerald Alton Lovell.	Liberty
Robert Cole Bradley.	Greenville	Jennings Luther Lyons.	Beaufort
Richard Avery Bridges.	Joanna	James Glenn McCants.	Winnboro
Hiram Lee Brockman.	Westminster	George Stanley McDonald.	Chester
Harold Orr Bryant, Jr.	Liberty	Robert Briscoe McKinney *	Pickens
Royce Lee Cannada.	Taylors	George Theran McLeod.	Greenville
William Grier Cash.	Taylors	Billy Wilson Mathis.	Pacolet Mills
Walter Bryan Cassidy ***	Hartsville	Samuel Patrick Morrah, III—	
Joseph Wallace Chapman.	Spartanburg		Greensboro, N. C.
John Leumas Childress.	Augusta, Ga.	James Preston Parnell.	Calhoun Falls
Olin Mitchell Clark, Jr.	Clemson	William George Raines, Jr.	Greenville
Stanley Witherell Converse, Jr.,	Spartanburg	Richard Edward Shaw.	Greenville
Donald Belger Cooler.	Kingstree	Robert Newton Shealy.	Columbia
Billy Wynne Davis.	Greenville	Dwight McBryde Simpson, Jr.—	Knoxville, Tenn.
Jack Tollison Deason.	McCormick		St. Clare Blackwelder Smith, Jr.—
George Diamond.	Taunton, Mass.		Swannanoa, N. C.
Robert Thomas Dobson.	Central	Milton Roderick Sweatman.	Charleston
Amos Curtis Estes.	Winnboro	James Hilliard Turner.	Spartanburg
Bernard Fleisher.	Waterbury, Conn.	Murray Noel Turner.	Spartanburg
James Marshall Gaddy.	Bennettsville	Charles Reed Ulmer.	Greenville
Harold Lee Gambrell.	Pendleton	John Russell Varner *.	Buffalo
Reece Bailey Graham.	Anderson	John Herbert Wilson.	Blacksburg
William C. Gressette.	Florence	James Robert Wood.	York
Robert Edward High.	Little River		

MASTERS' DEGREES CONFERRED JUNE 3, 1951

SCHOOL OF AGRICULTURE

MASTER OF SCIENCE DEGREE

Agricultural Economics

John Ramsay Bickers.	Memphis, Tenn.	Carson De Hay Evans.	Holly Hill
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Dairy

Wayne Talmage O'Dell, Easley	
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SCHOOL OF ARTS AND SCIENCES

MASTER OF SCIENCE DEGREE

Physics

Samuel Willis Robinson, Jr.,	Charlotte, N. C.
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* With honor.

** With high honor.

*** With highest honor.

SCHOOL OF CHEMISTRY

MASTER OF SCIENCE DEGREE

Chemistry

John Frederick Williams, York

Organic Chemistry

Dewey Tillman Thompson, Honea Path

SCHOOL OF ENGINEERING

MASTER OF MECHANICAL ENGINEERING DEGREE

Alvon Creighton Elrod	Walhalla	William Corbin Elrod	Walhalla
McLeod Wilson Harrelson, Georgetown			

SCHOOL OF TEXTILES

MASTER OF SCIENCE DEGREE

Textile Chemistry

John Walter Hawkins, North Charleston Richard Frederick Jenkins, Sullivan's Island

BACHELORS' DEGREES CONFERRED AUGUST 11, 1951

SCHOOL OF AGRICULTURE

BACHELOR OF SCIENCE DEGREE

Agriculture—Agricultural Economics Major

Hugh Boyd Woodham, Jr., Bishopville

Agriculture—Agronomy Major

Henry Marion Chaplin, Neeses

Agriculture—Animal Husbandry Major

Henry Lawrence Eason	Arlington, Va.	Herman Eugene McCall	Hendersonville, N. C.
Frank McLeod Flowers	Darlington	John Edwin McConnell	Seneca
James Carl Hardwick	Conway	John McMahon Smoak	Pacolet
Guy Richardson Jones	Bamberg	James Perry Tanner, Jr.	Hemingway
George Harold Liebenrood	Mt. Pleasant		

Agriculture—Horticulture Major

Richard Dean Hayes, Pickens

SCHOOL OF ARTS AND SCIENCES

BACHELOR OF SCIENCE DEGREE

Arts and Sciences

William Allen Adams	North Charleston	James Corbett Clanton, Jr.,	Charlotte, N. C.
Charles Rivers Carroll	Blackville	Daniel Desso Pate, Jr.	Columbia
	Gerald Zakim,	Paterson, N. J.	

Pre-Medicine

Cecil Hamilton Peppers, Taylors

SCHOOL OF EDUCATION

BACHELOR OF SCIENCE DEGREE

Education

John Gary Harper, Jr., Anderson Frank Oliver Wilson, Lyman

Industrial Education

Robert Paul Cloud.....Kingsport, Tenn. Gordon Newell Cummings.....Summerville

Vocational Agricultural Education

William Nolan Barnett.....Greer	Carlisle Cliff Goforth.....Gaffney
Raymond Lester Boozer**.....Leesville	Oscar Lawrence Hardee.....Andrews
Charles Francis Carmichael.....Fork	Lee Mack Rea*.....Matthews, N. C.
Melvin Bruce Cauthen.....Heath Springs	William Bartow Smith.....Cades
Justus McDowell Curry.....Gray Court	Robert Keller West.....Cameron
John Ammed Williams, Ash, N. C.	

SCHOOL OF ENGINEERING

BACHELOR OF SCIENCE DEGREE

Architectural Engineering

James Reynolds Clarkin.....Charleston	Victor William Nelson.....Philadelphia, Pa.
Charles Leslie Johnson.....Sumter	Hal Linton Pridgeon, Jr.*.....Spartanburg
William Gerald Melnyk.....Brooklyn, N. Y.	Mervyn Ap Rice.....Arlington, Va.

Architecture

Herbert Victor Blackwelder.....Clinton Walter Martin Keene, Jr.....Spartanburg

BACHELOR OF CIVIL ENGINEERING DEGREE

Manning Corey Freeland.....Plum Branch	Frederick McKenzie Perry, Jr.....Greenville
William Russell Hamilton.....Durham, N. C.	Robert Boyd Porter.....Winnsboro
William Albert Mauldin.....Anderson	Robert Adams Shoolbred*.....Eastover
Ernest Jerry Murphy, Jr.....Augusta, Ga.	Harry Wade Varn.....Walterboro

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

Thomas Lee Charles.....Greenwood	Hubbard Cozart Turner, Jr.....Greenville
Daniel Larry Pearman.....Donalds	Arnold Leland Ware.....Greenville
Gentry Lee Shelton.....Greenville	Harry Saye Whitesides, Jr.....Chester
Albert Rene Sinclair.....Cordele, Ga.	Ralph Gerrald Wilson.....Greenwood

BACHELOR OF MECHANICAL ENGINEERING DEGREE

Donald Lewis Caphton.....Savannah, Ga.	John Holtzclaw James, Jr.....Statesville, N. C.
Ed Garfield Coursey.....Clearwater	Russell Stewart Lewis.....Washington, D. C.
Robert McDow Duncan.....Union	Robert Warren Muldrow.....Gable
Floyd Harold Gillespie.....Greenville	Donald Edward Simpson, Charleston, W. Va.

SCHOOL OF TEXTILES

BACHELOR OF SCIENCE DEGREE

Textile Engineering

Ralph Lynn Pruette.....Monroe, N. C.	David Hampton Witt.....Swansea
Doyle Clayborne Shirley, Jr.....Orangeburg	Herbert Phillips Worth, Jr.....Greenville

Textile Manufacturing

Alphonse John Andryaitis.....Pittsburgh, Pa.	Dexter Carol Le Grand.....Greenville
Robert Brenton Bailey.....Clemson	John Belton McIntyre.....Arcadia
William Lee Boyd.....York	Robert Henly Machen.....Greenville
Ernest Rudolph Creech.....Spartanburg	James Marion Niver.....Bluffton
James Monroe Folk.....Bamberg	James Nathaniel Nuckols.....Westminster
Wesley Klugh Fooshe, Jr.....Hodges	Jack Cullum Scott.....Columbia
James Crawford Hawkins, Jr.....Greenville	Edwin Wallace Webb.....Marion
Wilmer Clyde Hayes**.....Dacusville	Clarence Jesse Whitehead, Jr.....Greenville
Harold Edwin Hulon.....Union	Albert Eugene Willis.....Chicopee, Ga.
Kirby Clarkson	Wise, Prosperity

* With honor.

** With high honor.

MASTERS' DEGREES CONFERRED AUGUST 11, 1951

SCHOOL OF AGRICULTURE

MASTER OF SCIENCE DEGREE

Agricultural Economics

Calvin Coolidge Taylor, Greenville

SCHOOL OF CHEMISTRY

MASTER OF SCIENCE DEGREE

Organic Chemistry

George Evans Bruner, III Clemson Walter Ervin Grant Chester
 Edwin Garrett Hardin, Shelby, N. C.

SCHOOL OF EDUCATION

MASTER OF SCIENCE DEGREE

Vocational Agricultural Education

William Clinton Owen, Central

SCHOOL OF ENGINEERING

MASTER OF MECHANICAL ENGINEERING DEGREE

James Clinton Cook, Jr., Clemson

GRADUATES OF 1951 BY MAJOR COURSES

SCHOOL OF AGRICULTURE (INCLUDING DOUBLE MAJORS)	133
Agricultural Economics	12
Agricultural Engineering	19
Agronomy	24
Animal Husbandry	45*
Botany	1
Dairy	9
Entomology	4**
Horticulture	15
Poultry	4
SCHOOL OF ARTS AND SCIENCES	55
Arts and Sciences	38
Industrial Physics	3
Pre-Medicine	14
SCHOOL OF CHEMISTRY	3
Chemistry	3
SCHOOL OF EDUCATION (INCLUDING DOUBLE MAJOR)	72
Education	10
Industrial Education	12
Vocational Agricultural Education	50***

* Includes one student who was graduated both in Animal Husbandry and Vocational Agricultural Education.

** Includes one student who was graduated both in Entomology and Pre-Medicine.

*** Includes one student who was graduated both in Agronomy and Vocational Agricultural Education.

SCHOOL OF ENGINEERING.....	168
Architectural Engineering.....	16
Architecture (4-Year).....	28
Ceramic Engineering.....	1
Chemical Engineering.....	8
Civil Engineering.....	36
Electrical Engineering.....	43
Mechanical Engineering.....	36
SCHOOL OF TEXTILES.....	168
Textile Chemistry.....	11
Textile Engineering.....	19
Textile Manufacturing.....	138
TOTAL GRADUATES OF 1951 (EXCLUDING DUPLICATES).....	596

TOTAL GRADUATES BY MAJOR COURSES, 1896-1951

<i>Major Course</i>	<i>Total</i>	<i>Major Course</i>	<i>Total</i>
Agriculture	244	Electrical Engineering	902
Agriculture and Animal Industry	80	Engineering Industrial Education	70
Agriculture and Chemistry	69	Entomology	124
Agricultural Chemistry	99	Forestry	8
Agricultural Economics	173	General Science	359
Agricultural Education	197	Horticulture	329
Agricultural Engineering	239	Industrial Education	165
Agronomy	579	Industrial Physics	32
Animal Husbandry	391	Mechanical Engineering	705
Architectural Engineering	54	Mechanical and Electrical	
Architecture	309	Engineering	489
Arts and Sciences	314	Poultry	8
Bachelor of Science	3	Pre-Medicine	146
Botany	12	Soils	9
Ceramic Engineering	1	Textile Chemistry	200
Chemical Engineering	81	Textile Engineering	909
Chemistry	247	Textile Industrial Education	85
Chemistry and Geology	11	Textile Manufacturing	418
Chemistry-Engineering	43	Veterinary Science	16
Civil Engineering	805	Vocational Agricultural	
Dairy	250	Education	598
Education	40	Weaving and Designing	42

Double Majors

Agricultural Chemistry and Arts and Sciences.....	1
Agricultural Chemistry and General Science.....	1
Agricultural Economics and Animal Husbandry.....	1
Agricultural Economics and Vocational Agricultural Education.....	1
Agricultural Engineering and Civil Engineering.....	1
Agronomy and Vocational Agricultural Education.....	3
Animal Husbandry and Vocational Agricultural Education.....	5
Animal Husbandry and Agricultural Education.....	3
Animal Husbandry and Dairy.....	2
Architecture and Architectural Engineering.....	11
Architecture, four-year, and Architecture, five-year.....	1
Arts and Sciences and Agricultural Economics.....	1
Chemical Engineering and Chemistry and Chemistry-Engineering.....	3
Chemical Engineering and Chemistry-Engineering.....	1
Chemistry and Chemical Engineering.....	1
Chemistry and Chemistry-Engineering.....	1
Chemistry and General Science.....	1

Chemistry and Industrial Physics	1
Chemistry and Agricultural Chemistry	1
Civil Engineering and Chemistry and Geology	2
Electrical Engineering and Industrial Physics	1
Electrical Engineering and Mechanical Engineering	16
Electrical Engineering and Textile Engineering	1
Entomology and Pre-Medicine	1
General Science and Education	1
General Science and Electrical Engineering	1
Horticulture and Agronomy	1
Horticulture and Architectural Engineering	1
Poultry and Vocational Agricultural Education	1
Pre-Medicine and Textile Chemistry	1
Textile Engineering and Mechanical and Electrical Engineering	1
Textile Engineering and Textile Industrial Education	1
Textile Engineering and Textile Manufacturing	1
Textile Engineering and Weaving and Designing	1
Total Graduates from 1896 through 1951	9926

LIST OF STUDENTS, 1951 NINE-WEEKS SUMMER TERM JUNE 11—AUGUST 11

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A—Agriculture (unclassified as to major course), Ag Ec—Agricultural Economics, Agron—Agronomy, AH—Animal Husbandry, Bot—Botany, Dairy—Dairy, Ent—Entomology, Hort—Horticulture, Poul—Poultry, Ag En—Agricultural Engineering, Pre-For—Pre-Forestry; Pre-Vet—Pre-Veterinary; A&S—Arts and Sciences, Ind Phys—Industrial Physics, Pre-Med—Pre-Medicine; Chem—Chemistry; Ed—Education, Ind Ed—Industrial Education, VAE—Vocational Agricultural Education; E—Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch—Architecture, Ar En—Architectural Engineering, Cr En—Ceramic Engineering, Ch En—Chemical Engineering, CE—Civil Engineering, EE—Electrical Engineering, ME—Mechanical Engineering, TC—Textile Chemistry, TE—Textile Engineering, TM—Textile Manufacturing.

New students admitted in June, 1951, are indicated by an asterisk (*).

Name and Course	Address	Name and Course	Address
Abbott, J. R. (3 ME)	Walhalla	Ashton, J. P. (4 TE)	Philadelphia, Pa.
Adams, B. S. (G Ed)	Williamston	Askins, J. B. (Unc)	Clemson
Adams, W. A. (4 A&S)	North Charleston	Atkinson, W. J. (1 Arch)	Bennettsville
Aiken, F. J. (4 TM)	Greenville	Auld, I. D. (G VAE)	Mt. Pleasant
Aldrich, H. E. (3 ME)	Anderson	Austell, R. M. (1 E-TE)*	Blacksburg
Alexander, F. E. (1 Arch)	Fletcher, N. C.	Austin, R. K. (2 CE)	Washington, D. C.
Alexander, M. B. (1 A-Ag Ec)*	Columbia	Babbitt, F. K. (1 E-TE)*	Fort Bragg, N. C.
Alexander, M. G. (Unc)	Greenville	Bailey, C. C. (1 Pre-Med)	Clemson
Allen, J. L. (G Ed)	Pendleton	Bailey, C. H. (4 EE)	Allendale
Allen, L. R. (4 Agron)	Kings Creek	Bailey, J. L. (1 Pre-Med)	Woodruff
Allgood, M. (Unc)	Pickens	Bailey, L. A. (Unc)	Seneca
Allison, J. D. (4 VAE)	Pauline	Bailey, R. B. (4 TM)	Clemson
Allison, J. M. (2 CE)	Albany, Ga.	Bailey, T. A. (3 AH)	Naval Base
Anderson, W. E. (1 E-Ag En)	Adrian	Baker, A. E. (2 Pre-Med)	Charleston
Anderson, W. S. (1 TM)*	West Point, Ga.	Ball, W. L. (G EE)	Clemson
Andrews, W. T. (3 ME)	Greenville	Ballenger, S. H. (G Ed)	Walhalla
Andryaitis, A. J. (4 TM)	Pittsburgh, Pa.	Banta, R. (3 CE)	Hawthorne, N. J.
Anthony, A. B. (3 CE)	Pickens	Barksdale, C. B. (2 EE)	Greenwood
Ard, J. F. (1 A-AH)	Hemingway	Barnett, W. N. (4 VAE)	Greer
Armitage, C. D. (Unc)	Clemson	Bartlett, F. O. (3 TM)	Spartanburg
Armstrong, L. P. (G Ed)	Seneca	Bass, J. C. (1 TM)*	Florence
Arnold, C. (Unc)	Seneca	Bates, C. L. (3 Arch)	Charlotte, N. C.
Arnold, T. W. (2 A&S)	Seneca	Bates, E. L. (4 Dairy)	Neeses
Ashmore, R. M. (1 E-EE)*	Greenville	Bates, S. W. (4 EE)	Naval Base

Name and Course *Address*

Baxley, P. E. (3 ME) Washington, D. C.
 Beach, H. F. (PG VAE) Walterboro
 Bean, T. M. (Unc) Sullivan's Island
 Behney, V. P. (Unc) Clemson
 Bell, M. C. (Unc) Clemson
 Bell, R. D. (1 VAE) Wampee
 Bell, R. S. (4 VAE) Jefferson
 Benjaminson, V. B. (4 Dairy) York, Pa.
 Berry, E. B. (G Ag Ec) Pendleton
 Berry, E. M. (3 Ind Ed) Smoaks
 Best, F. G. (1 A-Agron) Galivants Ferry
 Bishop, B. J. (2 TM) Greenville
 Bishop, J. H. (2 TM) Ware Shoals
 Black, M. P. (G VAE) Orangeburg
 Blackmon, R. B. (1 E-ME)*

Lawrence, Kan.

Blackwelder, H. V. (4 Arch) Clinton
 Blackwell, B. E. (G VAE) Duncan
 Blair, E. W. (2 Arch) Spartanburg
 Blair, R. A. (1 Pre-Med)* Louisville, Ky.
 Blakely, W. M. (2 ME) Simpsonville
 Blessing, A. L. (3 ME) Kingsport, Tenn.
 Blume, E. S. (3 Arch) Columbia
 Bobo, J. C. (1 TM) Laurens
 Boddie, S. W. (G TC) Charleston
 Bodle, W. J. (4 ME) Anderson
 Boggs, A. D. (2 A-Agron) Seneca
 Bolick, B. L. (3 EE) Brookford, N. C.
 Bolt, F. (3 EE) Gray Court
 Bolt, I. P. (2 CE) Anderson
 Booker, F. W. (G Ed) Clemson
 Boozer, E. W. (3 AH) Leesville
 Boozer, R. L. (4 VAE) Lone Star
 Bouchillon, D. H. (3 Ch En) Greenville
 Bowen, B. C. (Unc) Clemson
 Bowen, J. R. (1 VAE)* Westminster
 Bowen, W. T. (1 TC)* Clemson
 Bower, H. W. (4 ME) Amsterdam, N. Y.
 Boyd, J. H. (4 ME) Toccoa, Ga.
 Boyd, L. G. (3 TM) Fairmont, Ga.
 Boyd, W. L. (4 TM) York
 Boyle, C. R. (4 Ar En) Columbia
 Boyles, S. M. (1 E-CE) Ridgeland, Ga.
 Brabham, V. L. (1 Pre-Med)* Florence
 Bradbury, D. W. (Unc) Seneca
 Bradley, W. F. (4 TM) North Charleston
 Branham, M. C. (3 Ed) Columbia
 Branyon, W. E. (3 Dairy) Honea Path
 Breazeale, H. A. (1 A-AH) Pendleton
 Brennecke, H. J. (3 ME) Walhalla
 Brickman, W. H. (1 Ch En) Fountain Inn
 Brigman, J. W. (1 TM) Columbia
 Brock, D. (Unc) Seneca
 Brogdon, J. T. (4 AH) Manning
 Brown, C. R. (1 Ed)* Spartanburg
 Brown, G. A. (G Ed) Anderson
 Brown, L. E. (4 CE) Starr
 Bryan, R. T. (1 TM)* Seneca
 Bryson, T. J. (4 AH) Mountville
 Buchanan, H. H. (2 ME) Gastonia, N. C.
 Buford, W. H. (2 A-AH) Ellenton
 Bullington, E. D. (1 TM)* Augusta, Ga.
 Burroughs, J. B. (2 CE) Augusta, Ga.
 Butler, C. E. (3 VAE) Travelers Rest
 Butler, E. J. (3 AH) Lexington
 Butts, J. M. (1 E-Ag En) Walhalla
 Byars, E. F. (PG CE) Clemson
 Byers, J. C. (1 E-Ag En) Savannah, Ga.
 Calder, J. R. (3 AH) Mullins
 Caldwell, G. C. (4 ME) Willow Grove, Pa.
 Calhoun, C. C. (2 TM) Greenville
 Campbell, T. J. (1 E-EE) Greenville
 Cannon, J. G. (3 TC) Clemson
 Cannon, R. B. (2 Arch) Spartanburg
 Capelle, D. G. (3 CE) Clemson
 Caphton, D. L. (4 ME) Savannah, Ga.
 Carmichael, C. F. (4 VAE) Fork
 Carraway, C. W. (1 Pre-Vet) Charleston
 Carson, S. G. (2 Ind Ed) Central
 Carter, E. W. (4 TM) Columbia

Name and Course *Address*

Carter, L. J. (G VAE) Loris
 Carter, W. R. (G VAE) Walterboro
 Cason, C. R. (3 CE) Walhalla
 Cason, P. N. (3 ME) Brunswick, Ga.
 Cassell, J. H. (3 Arch) Pickens
 Castelleo, J. B. (3 ME) Greenville
 Caston, H. R. (G VAE) Spartanburg
 Cate, N. H. (1 E-CE) Brunswick, Ga.
 Cathcart, R. (Unc) Anderson
 Caudill, V. S. (4 VAE) Star, N. C.
 Caughman, N. H. (2 Ag En) High Point, N. C.

Causey, N. E. (1 Pre-Vet) Chadbourn, N. C.

Cauthen, M. B. (4 VAE) Heath Springs
 Chambers, H. E. (1 Ind Ed) Clyde, N. C.
 Chapman, W. F. (G VAE) Greenwood
 Charles, T. L. (4 EE) Greenwood
 Cheek, F. L. (4 Poul) Honea Path
 Cheek, N. M. (1 TM) Catechee
 Chibas, C. L. (2 ME) Guantanamo, Cuba
 Christian, G. W. (1 E-ME) McCormick
 Christian, J. R. (1 A&S)* Charleston
 Christopher, J. B. (4 Ind Ed) Central
 Ciotti, W. A. (2 Ar En) Lexington
 Clanton, J. C. (4 A&S) Charlotte, N. C.
 Clapp, J. C. (3 Arch) St. Petersburg, Fla.
 Clark, E. W. (3 TM) Lexington
 Clarkin, J. R. (4 Ar En) Charleston
 Clayton, E. M. (Unc) Clemson
 Clayton, L. A. (3 TM) Greer
 Clayton, W. T. (PG VAE) Central
 Clemens, J. C. (3 A&S) Clemson
 Cloud, R. P. (4 Ind Ed) Kingsport, Tenn.
 Cobb, A. C. (1 E-TE) Hodges
 Cobb, T. E. (4 TE) Lyman
 Cochran, P. (3 Ag En) East Point, Ga.
 Cochran, W. T. (4 TE) Greenville
 Coker, H. D. (2 A-AH) Kingstree
 Cole, T. W. (3 ME) Kershaw
 Coleman, L. D. (2 A-Agron) Columbia
 Coleman, P. W. (3 Ag Ec) Mountville
 Collier, E. P. (2 VAE) Harleyville
 Collins, J. C. (1 Ed) Chesnee
 Collins, M. A. (3 Ind Ed) Walhalla
 Collins, T. C. (1 A-Ent) Myrtle Beach
 Compton, W. C. (2 TM) Seneca
 Cook, J. C. (G ME) Clemson
 Cook, J. W. (4 EE) Easley
 Cooper, D. E. (1 VAE) Andrews
 Cooper, J. B. (3 CE) Gray Court
 Cooper, L. A. (1 TC)* Columbia
 Corley, C. M. (Unc) Clemson
 Cornwell, J. B. (4 TM) Great Falls
 Cothran, R. E. (1 A-AH)* Aiken
 Couch, K. O. (G VAE) Fairforest
 Counts, T. W. (1 E-CE) Greenville
 Coursey, E. G. (4 ME) Clearwater
 Cousar, R. E. (1 Pre-Vet) Sardinia
 Cowan, R. L. (Unc) Clemson
 Cox, M. E. (2 ME) Greenwood
 Cox, R. O. (4 AH) Woodruff
 Cranford, J. B. (1 E-ME)* Chester
 Crapps, W. D. (G Ag Ec) Blaney
 Creech, E. R. (3 TM) Spartanburg
 Creighton, J. H. (3 ME) Buffalo
 Crenshaw, P. W. (3 CE) Westminster
 Crenshaw, T. N. (3 Agron) LaFrance
 Cribb, R. E. (1 E-Ag En) Florence
 Cromer, C. D. (3 AH) Kinards
 Crosland, L. K. (4 Agron) Bennettsville
 Culberson, C. K. (4 TM) Shannon, Ga.
 Culler, C. W. (1 A&S)* Orangeburg
 Culley, H. B. (3 TE) West Frankfort, Ill.
 Cummings, G. N. (4 Ind Ed) Summerville
 Cunningham, K. S. (3 EE)

Bayside, L. I., N. Y.

Curry, H. H. (Unc) Clemson
 Curry, J. M. (PG VAE) Gray Court
 Dabbs, J. S. (1 E-Ag En) Mayesville

Name and Course	Address	Name and Course	Address
Damiano, G. (3 CE)	Providence, R. I.	Frick, R. A. (2 Ag En)	Chapin
Daniel, G. G. (4 Ed)	North Augusta	Frick, T. J. (1 A-Poul)*	Spartanburg
Danner, B. C. (3 ME)	Jonesville	Fullum, W. J. (4 TM)	Anderson
Danzler, P. H. (G VAE)	Branchville	Fulmer, J. P. (3 Hort)	Brooklyn, N. Y.
Dargan, G. W. (2 Ed)	Darlington	Funderburk, E. R. (1 A-Dairy)	Augusta, Ga.
Davenport, C. F. (2 CE)	Greenville	Furr, J. B. (2 TM)	Lancaster
David, R. A. (3 TM)	Guatemala City, Guatemala	Gainer, M. U. (1 E-TE)*	Newton, N. C.
Davis, H. G. (2 EE)	Murfreesboro, Tenn.	Garner, J. B. (3 CE)	Cedartown, Ga.
Davis, P. C. (3 CE)	Greenville	Garren, D. H. (3 ME)	Easley
Davis, W. R. (1 E-EE)*	Liberty	Garren, M. H. (2 TM)	Greenville
Debski, J. Z. (4 Poul)	Irvington, N. J.	Garrett, J. C. (1 E-EE)	Anderson
Dempsey, C. L. (3 Ind Ed)	Naval Base	Garrett, J. S. (2 A&S)	Six Mile
Dempsey, G. (G Ed)	Seneca	Geiger, M. H. (2 ME)	McColl
Derrick, J. C. (3 Chem)	Walhalla	George, E. M. (1 TM)*	Rock Hill
DiMarzo, J. M. (4 CE)	West Orange, N. J.	Gibbs, J. T. (1 E-ME)	North Augusta
DiMucci, D. M. (2 Ed)	McKeesport, Pa.	Gibson, C. R. (4 TM)	Westminster
Dixon, E. C. (3 TM)	Darlington	Gibson, S. F. (1 Pre-For)*	Orangeburg
Dixon, H. C. (PG Arch)*	Boiling Springs, N. C.	Gibson, T. J. (3 A&S)	Greenville
Doar, L. H. (4 Ch En)	Fort Knox, Ky.	Gillespie, J. F. (4 CE)	Montgomery, Ala.
Dodd, W. K. (1 Pre-Vet)	Round O	Gillespie, M. R. (3 Pre-Med)	Norris
Doggett, M. W. (1 Ch En)*	Williamson, W. Va.	Godwin, C. L. (2 VAE)	Summerton
Douglass, C. R. (2 CE)	Reidsville, N. C.	Godwin, J. L. (2 VAE)	Summerton
Drake, J. R. (Unc)	Anderson	Goff, C. N. (G Ed)*	Batesburg
Drennon, H. L. (2 Ed)	Pelzer	Goff, D. L. (1 VAE)	Batesburg
Duncan, B. V. (1 A&S)	Pendleton	Goforth, C. C. (4 VAE)	Gaffney
Duncan, H. B. (1 TM)	Greenville	Gonseth, W. C. (3 CE)	Brooklyn, N. Y.
Duncan, H. H. (4 EE)	Anderson	Good, J. H. (3 TM)	Lockhart
Duncan, R. M. (4 ME)	Union	Goodin, C. P. (Unc)	Clemson
Duncan, T. L. (1 Pre-For)	Myrtle Beach	Goodman, W. S. (2 Ind Ed)	Clemson
Dunn, C. (3 TM)	Rock Hill	Cough, S. W. (4 Ind Ed)	Chester
Dunn, J. C. (3 TM)	Central	Gower, A. G. (1 Pre-Med)*	Vienna, Va.
Dunn, O. H. (3 TM)	Birmingham, Ala.	Graham, A. T. (2 TM)	Scranton
DuPre, W. M. (G Dairy)	Clemson	Graham, R. (Unc)	Seneca
Dupree, R. B. (1 E-ME)*	Duncan	Greene, E. L. (4 Ar En)	Taylors
Durham, J. A. (1 TE)*	Pico, Calif.	Greene, F. A. (3 CE)	Greer
Easley, J. J. (1 E-TE)	Greenville	Greene, J. W. (1 Ed)*	Union
Eason, H. L. (4 AH)	Sumter	Gregory, F. M. (2 Ind Ed)	Spartanburg
Easterby, A. H. (1 TM)	Greenville	Griffith, W. A. (3 TM)	Lancaster
Edmondson, C. V. (1 A-Agron)*	Washington, D. C.	Haddon, F. M. (4 TM)	Anderson
Eleazer, P. E. (2 EE)	Pelion	Hair, J. T. (2 TE)	Aiken
Ellison, W. R. (4 A&S)	Anderson	Hall, A. S. (G Ed)	Clemson
Elmore, H. H. (3 VAE)	Mooresboro, N. C.	Hall, C. L. (2 CE)	Greenville
Elrod, B. R. (3 AH)	Piedmont	Hall, R. C. (1 A-AH)*	Mount Ulla, N. C.
Elrod, C. P. (1 E-EE)*	Greenville	Hall, W. B. (1 E-ME)*	Spartanburg
Elrod, H. W. (1 TM)	Piedmont	Hamilton, W. R. (4 CE)	Durham, N. C.
Elrod, R. F. (3 Dairy)	Piedmont	Hammond, A. F. (G CE)	Clemson
Entrekin, W. G. (G VAE)*	Kernersville, N. C.	Hammond, J. R. (1 TM)*	Newnan, Ga.
Evans, A. W. (3 A&S)	Savannah, Ga.	Hampton, C. O. (3 ME)	Lockhart
Evans, C. D. (G Ag Ec)	Clemson	Hanahan, W. O. (3 Ch En)	Charleston
Evans, N. L. (Unc)	Clemson	Hanauer, A. S. (1 TM)	New York, N. Y.
Faile, K. L. (Unc)	Kershaw	Hancock, A. B. (4 TM)	Ruby
Falls, D. L. (2 Arch)*	Johnson City, Tenn.	Hancock, S. W. (1 TM)*	Ruby
Fennell, C. A. (4 Agron)	Chester	Harbin, W. H. (3 ME)	Seneca
Ferguson, C. R. (4 TM)	Atlanta, Ga.	Hardee, O. L. (4 VAE)	Andrews
Ferguson, O. H. (1 A-AH)*	Seneca	Hardman, G. (3 EE)	Warner Robins, Ga.
Ficken, G. E. (4 VAE)	Early Branch	Hardwick, J. C. (4 AH)	Conway
Fine, W. A. (1 Arch)	Spartanburg	Harley, R. G. (1 Cr En)*	Orangeburg
Fischetti, M. A. (1 Ed)	Brooklyn, N. Y.	Harper, J. E. (4 TM)	Seneca
Fizer, J. R. (1 E-EE)	Charlotte, N. C.	Harper, J. G. (4 Ed)	Anderson
Flavin, J. P. (2 A-Agron)	DeLand, Fla.	Harris, G. N. (1 TC)	Rock Hill
Fleming, R. L. (1 Ed)	Hendersonville, N. C.	Harris, H. S. (4 CE)	Union
Fletcher, F. L. (2 CE)	Rock Hill	Harrison, R. W. (4 VAE)	Rock Hill
Flowers, F. M. (4 AH)	Darlington	Hart, F. M. (G VAE)	Landrum
Floyd, G. O. (3 ME)	McBee	Hart, R. M. (3 AH)	Florence
Folk, J. M. (4 TM)	Bamberg	Harvey, N. L. (4 Ag En)	Summerville
Forlidas, N. J. (3 TE)	Spartanburg	Hasel, A. H. (3 CE)	Columbia
Foster, J. C. (1 A-Agron)	Gramling	Hatcher, C. R. (3 TE)	Graniteville
Foster, T. D. (3 Chem)	Spartanburg	Hawkins, A. E. (1 E-EE)*	Greenville
Fraissor, J. (3 EE)	Whitnire	Hawkins, A. H. (G VAE)	Aiken
Franke, F. R. (1 E-EE)*	Spartanburg	Hawkins, J. C. (4 TM)	Greenville
Franklin, M. S. (4 TM)	Aiken	Hawthorne, J. A. (2 A&S)	Pittsburgh, Pa.
Fraser, C. A. (2 CE)	Greenville	Hayes, R. D. (4 Hort)	Pickens
Freeland, M. C. (4 CE)	Plum Branch	Hayes, W. C. (4 TM)	Dacusville
Freeman, C. B. (2 Ind Phys)	Westminster	Hazle, P. B. (4 TM)	Woodruff
		Heatley, S. M. (3 Cr En)	Moncks Corner
		Helm, W. R. (1 Pre-For)	Albany, Ga.
		Hembree, E. E. (G Ed)	Anderson
		Henderson, W. N. (1 E-ME)*	Greenville
		Hendrix, J. H. (4 CE)	Shelby, N. C.

Name and Course	Address
Henry, L. L. (3 A&S)	Clemson
Heriot, R. M. (1 Pre-Med)*	Dalzell
Hester, T. E. (2 A-Ag Ec)	Pickens
Hicks, G. D. (2 Arch)	Erwin, Tenn.
Hildebrand, E. J. (4 ME)	—
	Washington, D. C.
Hill, F. L. (1 E-ME)	Sumter
Hill, J. D. (4 ME)	Greenville
Hill, P. K. (Unc)	Clemson
Hindman, J. D. (1 Ch En)*	—
	Red Wing, Minn.
Hinson, J. F. (3 ME)	Lynchburg
Hinson, T. W. (1 Ch En)	Lancaster
Hodges, W. J. (3 CE)	Ware Shoals
Hodgin, B. E. (1 E-TE)	Columbia
Hogg, H. R. (3 Dairy)	Hillside, N. J.
Holcombe, B. F. (3 ME)	Central
Holland, G. H. (4 AH)	Fountain Inn
Holland, J. C. (4 ME)	Mooresboro, N. C.
Holleman, S. E. (G Ed)	Seneca
Holliday, W. T. (3 TE)	Greer
Hollingsworth, R. T. (2 A-AH)	Cross Hill
Holmes, J. C. (3 VAE)	Conway
Holmes, W. G. (4 TE)	Danville, Va.
Holt, J. E. (2 ME)	Sellers
Hood, C. D. (4 EE)	McCormick
Hood, J. J. (2 Pre-Vet)	Ridgeway
Hope, R. M. (4 Poul)	Rock Hill
Hopkins, J. (3 Ind Phys)	Greenville
Hopkins, J. W. (1 TM)*	McCormick
Horton, C. A. (1 Arch)	Brunswick, Ga.
Howard, L. T. (3 TC)	Fort Mill
Howard, R. I. (3 TM)	Greenwood
Hovey, E. D. (3 VAE)	Fort Mill
Hudson, W. G. (G ME)	Clemson
Huff, P. L. (2 TM)	Greenville
Huggins, T. E. (2 EE)	Hemingway
Hughes, H. W. (3 Arch)	Martinez, Ga.
Huiet, W. C. (3 VAE)	Johnston
Hulon, H. E. (4 TM)	Union
Humphrey, S. W. (1 TM)	Bethune
Hunt, H. F. (1 A)*	Greenville
Hunter, N. R. (Unc)	Clemson
Hunter, R. E. (1 Pre-Med)*	Clemson
Hursey, R. E. (1 E-ME)	Savannah, Ga.
Hutchison, W. C. (G Ed)	West Union
Hutson, A. C. (3 Pre-Med)	Seabrook
Hutto, G. A. (3 TC)	Fort Mill
Irby, C. R. (1 E-EE)	Pelzer
Isenhour, E. F. (3 CE)	Newton, N. C.
Jackson, J. C. (1 E-TE)*	Bennettsville
Jackson, S. H. (1 A-AH)*	Manning
Jackson, W. F. (3 Arch)	Rock Hill
Jameson, J. M. (3 AH)	Liberty
Jenkins, T. W. (1 TM)*	Avondale, N. C.
Jenkins, W. H. (2 A-Ag Ec)	Westminster
Johnson, F. M. (3 AH)	Effingham
Johnson, G. W. (1 TM)	McColl
Johnson, R. D. (3 CE)	Charlotte, N. C.
Johnson, W. E. (1 A)*	Aiken
Jones, B. T. (1 VAE)*	Bethune
Jones, C. M. (1 TM)*	Anderson
Jones, G. R. (4 AH)	Bamberg
Jones, R. M. (G VAE)	Pendleton
Joye, B. M. (1 TM)*	Belmont, N. C.
Kamine, A. (2 Ar En)	Paterson, N. J.
Kay, L. B. (1 TM)	Trenton, N. J.
Kay, N. F. (Unc)	Newry
Kea, H. M. (4 AH)	Rocky Ford, Ga.
Keene, W. M. (4 Arch)	Spartanburg
Kendra, F. S. (3 EE)	Ford City, Pa.
Kennedy, F. D. (2 Ed)	Midland, Pa.
Kennette, G. L. (2 TM)	Wellford
Kinard, G. P. (2 Ag En)	Clemson
King, C. H. (1 Ed)	Townville
King, H. L. (4 CE)	Clemson
King, J. L. (1 TC)*	Ridgeville
King, L. C. (2 TM)	West Columbia
King, R. L. (3 TM)	Abbeville

Name and Course	Address
Kingsmore, H. D. (1 Ed)	Pendleton
Kirby, S. H. (1 Ar En)	Columbia
Kirby, W. S. (1 A-AH)	Cowpens
Kirkwood, C. E. (Unc)	Clemson
Kiser, J. R. (2 TM)	Cherokee Falls
Klinck, D. C. (4 ME)	North Augusta
Knight, A. M. (3 CE)	Simpsonville
Knight, E. R. (4 Ag En)	Cheraw
Knight, J. C. (4 EE)	Summerville
Knight, O. W. (2 ME)	Kershaw
Kozlow, A. (4 ME)	Philadelphia, Pa.
Krause, J. G. (4 Dairy)	Union Mills, N. C.
Kreutzer, F. W. (1 A-AH)*	Ford City, Pa.
Krissak, R. F. (2 Ch En)	Carteret, N. J.
Kytte, H. W. (2 TM)	LaFrance
Lander, A. M. (1 Ch En)*	Spartanburg
Lander, W. T. (G Ed)	Williamston
Lane, A. C. (Unc)	Clemson
Lane, E. E. (G VAE)	Blenheim
Lane, M. (Unc)	Clemson
Laraway, W. D. (1 A)*	Dravesburg, Pa.
Lawrence, J. R. (2 Arch)	Greenville
Lawrimore, C. P. (1 VAE)	Hemingway
Lawson, J. P. (1 Arch)*	Sumter
Lay, C. W. (4 Ag En)	West Union
Leach, J. D. (2 Ar En)	Blacksburg
LeGrand, D. C. (4 TM)	Greenville
Lehman, J. H. (3 VAE)	Montreal, Canada
Lenk, G. A. (2 Arch)	Pittsburgh, Pa.
Lewis, H. W. (3 Dairy)	Yonkers, N. Y.
Lewis, L. L. (G VAE)	Leesville
Lewis, R. S. (4 ME)	Washington, D. C.
Lewis, T. B. (1 E-ME)	Conway
Liebenrood, G. H. (4 AH)	Mt. Pleasant
Lindler, R. E. (G VAE)	Chapin
Lindsey, G. E. (1 E-ME)	Seneca
Littleton, H. E. (G)	Salem
Livingston, A. C. (2 TM)	Ninety Six
Livingston, J. P. (2 A-Agron)	Springfield
Livingston, T. G. (1 E-TE)	Neeses
Lockaby, R. H. (G Ed)	—
	East Flat Rock, N. C.
Long, F. B. (1 E-CE)*	Lykesland
Long, J. E. (1 E-CE)*	Lykesland
Long, J. P. (1 A&S)*	Greenwood
Long, R. O. (4 CE)	Walhalla
Lowery, E. K. (1 E-Ag En)*	Pageland
Lowry, C. (1 E-Ag En)*	Pembroke, N. C.
Lucas, C. C. (3 VAE)	Gaston
Lyda, H. R. (3 VAE)	Edneyville, N. C.
Lyons, G. E. (1 Ed)	Yemassee
Lytle, W. A. (2 Chem)	Tyrone, Pa.
McCachern, J. G. (2 EE)	Concord, N. C.
McCall, H. E. (4 AH)	—
	Hendersonville, N. C.
McClure, C. M. (2 Cr En)	Anderson
McClure, W. F. (1 E-Ag En)*	Chesnee
McConnell, H. E. (4 EE)	Piedmont
McConnell, J. E. (4 AH)	Seneca
McConnell, J. T. (3 Ind Ed)	Abbeville
McCormick, L. S. (4 EE)	Orangeburg
McCoy, T. R. (PG CE)	Anderson
McCrory, W. H. (1 E-ME)	Greenville
McCravy, J. R. (2 Arch)	Easley
McCulloch, J. I. (3 TM)	Gaffney
McCullough, T. A. (2 TM)	—
	Hendersonville, N. C.
McCurley, E. A. (1 E-Ag En)*	Anderson
McDowell, A. G. (Unc)	Clemson
McElmurray, E. W. (1 TM)	North Augusta
McGee, E. T. (3 Ag En)	Anderson
McGee, M. A. (G Ed)	Anderson
McGee, S. E. (G Ed)	Anderson
McGraw, S. G. (Unc)	Clemson
McIntyre, J. B. (4 TM)	Arcadia
McKay, R. (4 Ed)	Washington, D. C.
McKie, R. H. (1 E-ME)*	Edgefield
McKinney, S. J. (3 ME)	Greenville
McLean, J. N. (4 A&S)	Greenville

<i>Name and Course</i>	<i>Address</i>	<i>Name and Course</i>	<i>Address</i>
McLees, J. H. (3 Pre-For)	Greenville	Murdoch, H. S. (3 Ag En)	Belton
McMillan, H. C. (4 Ar En)	Spartanburg	Murphree, L. E. (1 A-AH)*	Tamassee
McMillan, M. (3 Arch)	Greenville	Murphy, C. L. (2 Ind Ed)	Anderson
McMillan, M. K. (1 A-AH)	Mullins	Murphy, E. J. (4 CE)	Augusta, Ga.
McMillan, S. (2 ME)	Mullins	Murphy, H. A. (Unc)	Anderson
McMillan, T. W. (2 TM)	Central	Murphy, H. G. (2 ME)	Cambridge, Md.
McNair, J. E. (3 CE)	Gastonia, N. C.	Murray, J. L. (1 TM)	Cleveland
McNatt, J. A. (Unc)	Clemson	Myers, R. B. (1 Pre-Med)	Moncks Corner
McPhail, S. (G VAE)	Honea Path	Neighbors, J. D. (4 Hort)	Beaufort
McPherson, J. M. (1 Pre-Med) —	Dickinson, Tex.	Neister, A. F. (4 TM)	Spartanburg
McPherson, W. D. (1 E-CE)	Waterloo	Nelson, A. (Unc)	Anderson
McSwiney, T. L. (2 ME)	Savannah, Ga.	Nelson, V. W. (4 Ar En), Philadelphia, Pa.	
Mabry, B. L. (1 E-ME)*	Union	Nettles, J. A. (Unc)	Clemson
Mabry, C. R. (3 TE)	Greenville	Nettles, W. C. (1 E-ME)*	Clemson
Machen, R. H. (4 TM)	Greenville	Newton, A. F. (4 Ind Ed)	Clemson
Madden, J. M. (1 E-ME)*	Clemson	Niver, J. M. (4 TM)	Bluffton
Madlinger, G. J. (2 Arch)	Memphis, Tenn.	Norton, S. A. (Unc)	Walhalla
Magill, H. F. (4 TE)	Concord, N. C.	Norton, S. M. (Unc)	Walhalla
Major, E. E. (Unc)	Anderson	Nuckols, J. N. (4 TM)	Westminster
Major, W. R. (2 Arch)	Williamston	O'Dell, G. D. (3 Dairy)	Easley
Malphrus, J. L. (1 E-CE)	Ridgeland	Ollivett, D. C. (2 CE)	Anderson
Marlar, J. W. (1 E-EE)	Fountain Inn	O'Neal, J. S. (3 AH)	Blenheim
Marler, S. A. (Unc)	Clemson	Onley, W. O. (3 ME)	Columbia
Marshall, J. C. (1 TM)	Heath Springs	O'Shields, J. L. (2 TE)	Calhoun Falls
Mathers, W. C. (4 AH)	Winnsboro	Outen, M. D. (1 Arch)	Fort Jackson
Martin, T. R. (1 A-AH)	Anderson	Owens, E. G. (2 Chem)	Greenwood
Martin, W. H. (2 ME)	Williston	Owens, W. F. (1 A)*	Conway
Mason, H. D. (3 Agron)	Westminster	Owings, Z. H. (3 ME)	Greenwood
Massey, C. R. (3 TM)	Walhalla	Page, D. K. (1 A-AH)	Mullins
Mathews, G. R. (1 E-CE)	Miami, Fla.	Palmer, C. K. (1 VAE)	Seneca
Mathis, E. H. (3 Poul)	Columbia	Parker, R. B. (G Ed)	Anderson
Mauldin, W. A. (4 CE)	Anderson	Parks, W. P. (1 Pre-Vet)*	McCormick
Mayson, J. M. (PG AH)	McCormick	Parrish, W. B. (2 Arch)	Pacolet
Means, G. C. (Unc)*	Clemson	Pate, D. D. (4 A&S)	Columbia
Meiburg, C. O. (3 A&S)	Clemson	Patterson, H. L. (2 EE)	Fort Mill
Melnik, J. (3 TM)	Brooklyn, N. Y.	Patton, B. C. (4 AH)	Fountain Inn
Mercer, W. E. (3 CE)	McClellanville	Payne, L. A. (1 Ch En)	Sandersville, Ga.
Meredith, J. R. (G VAE)	Seneca	Pearce, D. L. (3 AH) —	New Brunswick, N. J.
Merians, S. (4 TM)	Oxford, N. J.	Pearman, D. L. (4 EE)	Donalds
Merritt, C. W. (2 EE)*	Piedmont	Pearman, S. N. (1 Cr En)*	Columbia
Metz, W. G. (Unc)	Clemson	Pendley, G. C. (4 TM)	Calhoun, Ga.
Meyers, H. F. (Unc)	Charleston	Peppers, C. H. (4 Pre-Med)	Taylors
Middleton, W. H. (1 Ed)	Chesterfield	Perry, F. M. (4 CE)	Greenville
Milam, J. H. (1 E-EE)*	Anderson	Peters, C. D. (2 CE)	North
Milford, T. J. (1 E-EE)	Ware Shoals	Peterson, D. E. (3 CE)	Anderson
Milford, W. B. (1 E-Ag En)	Iva	Petit, R. E. (2 Arch)	Sumter
Miller, R. L. (1 Chem)	Clearwater	Pittman, R. N. (1 E-ME)*	Seneca
Miller, S. J. (2 A&S)	Belton	Pitts, P. Z. (4 CE)	Savannah, Ga.
Mims, J. A. (4 ME)	Florence	Plunkett, R. W. (4 TM)	Clemson
Mishoe, T. N. (1 A-AH)*	Greeleyville	Plyler, J. N. (3 Ind Ed)	Lancaster
Mitchell, R. T. (1 E-TE)	Greenville	Poole, M. M. (Unc)	Clemson
Mixon, L. J. (3 Ind Ed)	Dundee, Fla.	Poore, T. C. (1 E-ME)*	Williamston
Mixon, R. F. (2 A&S)	Clemson	Porter, R. B. (4 CE)	Winnsboro
Mize, L. (3 EE)	Walhalla	Powers, R. W. (3 CE)	Pamplico
Mobley, B. L. (1 TM)	Kershaw	Price, H. A. (Unc)	Seneca
Mobley, E. C. (1 Ch En)	Lancaster	Price, R. B. (1 E-TE)	West Columbia
Montgomery, R. M. (4 TM) —	Asheville, N. C.	Pridgeon, H. L. (4 Ar En)	Spartanburg
Monty, P. S. (2 TM)	Charlotte, N. C.	Pruette, R. L. (4 TE)	Monroe, N. C.
Moody, B. D. (3 Agron)	Dillon	Pruitt, L. H. (4 TM)	Anderson
Moore, J. H. (1 E-ME)	Toccoa, Ga.	Pruitt, N. J. (Unc)	Seneca
Moore, J. L. (2 A-Dairy)	Calhoun, Ga.	Raines, H. M. (3 AH)	Mountain Rest
Moore, J. T. (3 EE)	Union	Ramsey, H. C. (Unc)	Anderson
Moore, J. W. (4 ME)	Columbus, Ga.	Randall, N. A. (2 Ind Ed)	Decatur, Ga.
Moore, W. E. (1 A&S)	Charleston	Rankin, W. E. (1 TM)	Seneca
Moore, W. H. (3 TM)	Charlotte, N. C.	Rawls, J. (2 Ind Phys)	Rock Hill
Morgan, J. H. (G Ed)	Spencer, N. C.	Rea, L. M. (4 VAE)	Matthews, N. C.
Morgan, J. L. (Unc)	Clemson	Reid, J. H. (2 Ar En)	Sumter
Morgan, M. L. (3 Agron)	Oakboro, N. C.	Rentz, J. C. (2 EE)	Varnville
Morris, F. O. (3 CE)	Abilene, Tex.	Revell, W. H. (3 CE)	Hartsville
Morris, N. D. (1 Arch)	Swainsboro, Ga.	Rhode, A. L. (1 A-AH)	Cottageville
Morrison, J. R. (1 E-EE)*	Draper, N. C.	Rhodes, H. O. (2 CE)	Walhalla
Moseley, B. P. (3 EE)	Abbeville	Rhyne, A. D. (1 A-AH)*	Gastonia, N. C.
Moseley, J. K. (1 E-CE)*	Greenville	Rice, M. A. (4 Ar En)	Arlington, Va.
Muckenfuss, A. A. (2 CE)	Florence	Richardson, D. (1 VAE)*	Conway
Muehsam, N. E. (2 TM)	New York, N. Y.	Richardson, J. B. (Unc)	Clemson
Muldrow, R. W. (4 ME)	Gable	Richardson, P. R. (Unc)	Seneca
Munn, N. R. (PG AH)	Awendaw	Rikard, J. C. (2 TM)	Rock Hill
		Ringer, A. W. (3 EE)	Newberry

Name and Course	Address
Rion, R. G. (4 Cr En)	Hartsville
Risher, C. F. (2 A-Ag Ec)	Clio
Rivera, A. M. (3 ME)	Guantanamo, Cuba
Rivers, R. F. (1 E-Ag En)*	Louisville, Ga.
Roberts, D. E. (4 VAE)	Chester
Roberts, G. C. (3 EE)	Miley
Roberts, J. V. (4 TM), Rutherfordton, N. C.	
Robinnett, W. B. (1 Ar En)	Conway
Robinson, D. H. (G CE)	Blackstock
Robinson, M. O. (Unc)	Clemson
Rochester, S. (G VAE)	Salem
Rodgers, J. H. (3 VAE)	Lake City
Rogers, C. L. (3 TM)	Williamston
Roof, J. M. (1 E-ME)	Lexington
Roofs, S. L. (1 E-CE)	Greenwood
Rose, O. E. (2 A-AH)	Sardinia
Rothell, J. G. (3 TC)	Saluda
Rowe, O. R. (3 ME)	Charlotte, N. C.
Rowland, C. B. (3 TM)	Greenville
Ryan, B. B. (1 A-AH)*	Washington, D. C.
Ryan, W. B. (3 Arch)	Ridgeland
Rye, C. L. (4 EE)	Columbia
Saigol, M. R. (2 A&S&TM)	Pakistan, India
Salley, W. E. (2 Pre-Vet)	Orangeburg
Sams, J. G. (2 A&S)	Charleston
Sanders, J. D. (4 CE)	Blackburg
Sanders, L. S. (G Ed)	Anderson
Sanders, N. M. (Unc)	Anderson
Sanders, T. F. (1 E-CE)	Swainsboro, Ga.
Sands, L. A. (G Ind Ed)	Brunswick, Ga.
Sarracino, J. J. (4 Ed)	Anderson
Satterthoff, R. F. (4 TE)	Lyman
Satylors, R. L. (1 E-TE)	Ninety Six
Scarborough, W. L. (4 EE)	Florence
Schirmer, W. (1 Ch En)*	Charleston
Schrader, E. D. (4 TM)	Spartanburg
Schroder, W. J. (4 TM)	West Union
Schwartz, W. S. (3 ME)	Charleston
Scott, E. B. (G EE)	Clemson
Scott, E. C. (1 E-Ag En)*	Naval Base
Scott, J. C. (4 TM)	Columbia
Seaborn, L. A. (2 CE)	Marietta, Ga.
Sease, C. F. (1 A)	Ehrhardt
Sease, E. C. (3 Ag En)	Columbia
Sessions, J. F. (2 A-Ent)	Myrtle Beach
Sewell, R. T. (2 ME)	Greenville
Shane, D. C. (1 Ed)	Florence
Shaw, C. G. (1 TM)*	Greenwood
Shealy, E. L. (4 Ar En)	Columbia
Shearin, A. M. (4 EE)	Darlington
Shelley, F. E. (2 VAE)	Aynor
Shelton, G. L. (4 EE)	Greenville
Sherrill, W. A. (1 A&S)*	Murphy, N. C.
Shirley, J. H. (4 EE)	Gaffney
Shirley, J. T. (2 A-AH)	Seneca
Shiver, J. M. (3 Agron)	Rembert
Sholar, J. O. (2 TM)	Columbia
Shoolbred, R. A. (4 CE)	Eastover
Shuler, W. S. (3 Ag En)	Sumter
Simpson, R. R. (4 TM)	Westminster
Sinclair, A. R. (4 EE)	Cordele, Ga.
Singleton, J. J. (G Ed)	Clemson
Sistrunk, L. F. (Unc)	Orangeburg
Skerratt, J. D. (4 TE)	Cranford, N. J.
Smith, C. R. (G Ed)	West Union
Smith, C. W. (3 ME)	Clemson
Smith, G. O. (2 Ind Ed)	Greer
Smith, J. B. (3 ME)	Florence
Smith, J. O. (3 TM)	Donalds
Smith, M. M. (1 A-AH)	Seabrook
Smith, T. W. (1 Pre-Med)*	Williston
Smith, W. B. (4 VAE)	Cades
Smith, W. E. (2 Ar En)	Charleston
Smoak, J. M. (4 AH)	Pacolet
Snead, J. D. (4 TM)	Seneca
Snipes, H. B. (2 CE)	Anderson
Snoddy, M. F. (2 Arch), Rockingham, N. C.	
Soubeyroux, R. S. (4 Ar En)	Charleston
Southard, E. W. (1 TM)	Union

Name and Course	Address
Sox, H. W. (3 TM)	West Columbia
Spake, R. I. (2 VAE)	Shelby, N. C.
Sprott, W. P. (3 CE)	Lake City
Sprouse, E. B. (3 TM)	Travelers Rest
Squires, J. T. (4 AH)	Latta
Stansell, G. T. (3 ME)	Westminster
Stansell, H. D. (1 TM)	Greer
Stanton, H. E. (3 TM)	Cheraw
Staton, M. (2 CE)*	Wadesboro, N. C.
Steele, E. L. (4 Chem)	Harrisonburg, Va.
Stenstrom, E. F. (Unc)	Clemson
Stevenson, R. M. (4 AH)	Charlotte, N. C.
Stokes, W. L. (1 A)	Sedalia
Storey, P. E. (4 EE)	Greenville
Stoudenmire, W. J. (G Ind Ed)	Orangeburg
Strait, C. A. (1 E-ME)	Rock Hill
Streetman, H. L. (Unc)	Clemson
Strickland, B. R. (Unc)	Seneca
Strong, H. H. (3 EE)	Sumter
Swearingen, G. T. (1 A-AH)	Trenton
Sweeney, A. E. (1 TM)	Seneca
Swett, J. A. (4 Poul)	Dunbarton
Swygert, D. A. (1 VAE)	Blythewood
Tanner, J. P. (4 AH)	Hemingway
Tate, F. W. (1 TC)	Greenville
Taylor, D. E. (2 Cr En)	Lexington
Templeton, J. A. (1 Pre-Med)*	Greenville
Thayer, W. B. (3 Ag En)	Spartanburg
Thelen, H. M. (3 EE)	Greenwood
Thompson, H. Z. (1 Ed)	Hendersonville, N. C.
Thompson, J. H. (1 TM)	Kline
Thrasher, R. C. (Unc)	Anderson
Tice, J. D. (1 TM)*	Anderson
Timmerman, W. B. (2 ME)	Clearwater
Todd, B. (G VAE)	Loris
Todd, B. J. (G Ag Ec)	Orangeburg
Tolson, B. A. (1 E-TE)	Timmonsville
Toomey, W. G. (4 Agron)	Mount Holly, N. C.
Travis, D. A. (1 Ind Ed)	Elkin, N. C.
Trihey, P. C. (1 A-Ag Ec)*	Columbia
Trimmier, L. G. (2 A-AH)	Bedford, Pa.
Tripp, W. O. (1 TM)	Greenville
Trively, T. H. (1 A-Dairy)*	Clemson
Trout, J. G. (Unc)	Clemson
Trout, J. R. (1 VAE)	Rock Hill
Trstensky, W. R. (2 Ar En)	Carteret, N. J.
Truluck, J. P. (1 Pre-Med)*	Lake City
Turner, G. C. (4 EE)	Marion
Turner, H. C. (4 EE)	Greenville
Turner, L. J. (1 Pre-Med)*	North Augusta
Turner, T. A. (1 E-TE)*	Blackburg
Tuten, C. R. (4 AH)	Ridgeland
Tuten, J. M. (3 EE & Ind Phys)	Greenville
Tyler, H. K. (3 ME)	Hampton, Va.
Tyson, S. D. (3 Ag En)	Lumberton, N. C.
Ulmer, J. C. (1 A-AH)	Elloree
Ulmer, R. B. (2 Ag En)	Elloree
Varn, H. W. (4 CE)	Walterboro
Vaughan, J. H. (1 VAE)	Owings
Verdin, J. W. (1 A-Dairy)*	Greenville
Vickery, E. L. (G Ed)	Clemson
Vuksta, C. (3 ME)	Hellertown, Pa.
Wactor, R. S. (1 A)*	Orangeburg
Wade, B. T. (Unc)	Clemson
Waldrop, J. R. (2 TE)	Greenville
Wall, H. L. (2 TM)	Wadesboro, N. C.
Wall, J. W. (1 A-AH)*	Ridgeland
Wallace, W. W. (2 TM)	Seneca
Walpole, B. L. (1 A-Agron)*	John's Island
Walters, C. J. (1 VAE)*	St. George
Waltz, M. R. (4 CE)	Barnwell
Ward, P. F. (1 TM), Fort Lauderdale, Fla.	
Ward, R. D. (4 Ag Ec)	Chester
Ware, A. L. (4 EE)	Greenville
Warman, L. L. (3 Ag Ec)	Danville, Ind.
Wase, M. J. (2 EE)	Hartsville

Name and Course	Address	Name and Course	Address
Washington, E. B. (2 ME).....	Clemson	Williams, C. F. (2 Ag En).....	Landrum
Wasim, M. (Unc).....	Fall River, Mass.	Williams, E. B. (Unc).....	Clemson
Watkins, C. B. (4 CE).....	Augusta, Ga.	Williams, F. E. (Unc).....	Greenville
Watkins, W. Y. (3 Ed).....	Ware Shoals	Williams, G. M. (Unc).....	Clemson
Watson, A. L. (1 TC).....	Spartanburg	Williams, J. A. (4 VAE).....	Ash, N. C.
Watson, K. M. (G VAE).....	Laurens	Williams, J. G. (Unc).....	Anderson
Watson, R. D. (2 TM).....	Mardela, Md.	Williams, V. M. (3 TM).....	Woodruff
Watson, S. J. (1 TM).....	Florence	Willis, A. E. (4 TM).....	Chicopee, Ga.
Watt, F. L. (4 TM).....	Pelzer	Willis, R. R. (2 TM).....	Gaffney
Watts, W. S. (1 Arch).....	Sumter	Wilson, B. E. (2 TE)*.....	Spartanburg
Waycaster, J. N. (1 TM)*.....	Gastonia, N. C.	Wilson, F. O. (4 Ed).....	Lyman
Weaver, C. E. (4 Hort).....	Darlington	Wilson, J. (1 A-AH).....	Shelby, N. C.
Weghorn, C. A. (3 CE).....	Ridgewood, N. Y.	Wilson, R. G. (4 EE).....	Greenwood
Welch, M. O. (1 A).....	Ehrhardt	Wilson, R. L. (2 A-AH).....	Wampee
Weldon, R. D. (3 TM).....	Charleston	Winchester, D. B. (1 E-ME).....	Pickens
Wells, L. R. (2 TE).....	Orangeburg	Winebar, H. V. (1 A-Agron)*.....	Sullivans Island
Welsh, F. M. (PG ME & TE).....	Abbeville	Wise, K. C. (4 TM).....	Prosperity
West, H. E. (2 EE).....	Cedartown, Ga.	Witherspoon, C. S. (1 A)*.....	Columbia
West, R. E. (1 E-Ag En)*.....	Swainsboro, Ga.	Witt, D. H. (4 TE).....	Swansea
West, R. K. (4 VAE).....	Cameron	Wofford, W. H. (2 TM).....	Enoree
West, W. D. (1 Arch)*.....	Greenville	Wood, A. E. (G Phys)*.....	Clemson
Weston, P. H. (Unc).....	Clemson	Wood, F. K. (3 TM).....	Washington, D. C.
Weston, T. I. (4 ME).....	Columbia	Wood, R. (G Ag Ec)*.....	Clemson
Whaley, J. M. (1 E-CE).....	Aynor	Woodham, H. B. (4 Ag Ec).....	Bishopville
Whetstone, W. V. (3 TM).....	Denmark	Woods, S. G. (4 AH).....	Greenville
Whitaker, W. F. (G Ed).....	Liberty	Woodward, N. E. (4 Ag En).....	Aiken
White, C. H. (1 TM)*.....	Greenville	Workman, O. G. (3 CE).....	Rock Hill
White, M. F. (Unc).....	Clemson	Wright, B. C. (4 A&S).....	Belton
White, S. M. (1 Pre-Med)*.....	Clemson	Wyatt, C. N. (1 TM).....	Greenville
Whitehead, C. J. (4 TM).....	Greenville	Wylie, J. T. (2 TM).....	Blacksburg
Whitesides, H. D. (2 ME).....	Chester	Wyse, J. F. (G VAE).....	Johnston
Whitesides, H. S. (4 EE).....	Chester	Yarborough, G. L. (1 E-ME)*.....	Lake Junaluska, N. C.
Whitfield, L. L. (2 TM).....	Anderson	Yarbrough, J. R. (4 Ar En).....	Salisbury, N. C.
Whitmire, F. L. (4 Poul).....	Seneca	Yelton, T. L. (3 TM).....	Forest City, N. C.
Whitmire, J. D. (3 TM).....	Johnson City, Tenn.	York, C. O. (3 Ar En).....	Charlotte, N. C.
Whitten, R. A. (1 E-TE)*.....	Macon, Ga.	Young, F. S. (1 Pre-Med).....	Central
Wilds, G. J. (3 A&S).....	Hartsville	Youngblood, G. T. (2 Chem).....	Savannah, Ga.
Wiley, F. M. (Unc).....	McCormick	Zakim, G. (4 A&S).....	Paterson, N. J.
Wiley, H. S. (4 ME).....	McCormick	Zimmerman, C. G. (1 E-TE)*.....	Florence
Wilkins, H. O. (3 ME).....	Germantown, Tenn.		
Wilkinson, M. L. (Unc).....	Clemson		
Willey, E. P. (1 A&S)*.....	Clemson		

NUMBER OF CLEMSON STUDENTS MAJORING IN EACH CURRICULUM, 1951 NINE-WEEKS SUMMER TERM *

Classification	Agriculture	Agrie. Engr.	Pre-Forestry	Pre-Veterinary	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Education	Industrial Ed.	Voc. Agric. Ed.	Arch. Engr.	Architecture	Ceramic Engr.	Chemical Engr.	Civil Engr.	Electrical Engr.	Mech. Engr.	Textile Chemistry	Textile Engr.	Textile Mfg.	Postgraduate	Graduate	Unclassified	Enroll. by Classes
Senior	38	4	4	...	7	...	1	1	5	5	16	10	2	1	...	20	22	18	...	9	41	...	...	...	200
Junior	25	7	...	1	6	1	2	2	2	6	9	1	8	1	2	26	14	29	4	5	30	...	...	...	181
Sophomore	16	5	2	...	6	2	1	3	4	6	5	6	12	2	3	15	10	15	...	5	27	...	...	...	145
Freshman	42	14	4	3	7	...	17	1	11	2	12	2	9	1	6	12	13	23	6	15	39	...	...	...	239
Postgraduate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	...	...	9
Graduate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52	...	52
Unclassified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	9
Total	121	30	6	4	26	3	21	7	22	19	42	19	31	5	11	73	59	85	10	34	137	9	52	9	9835

* This summary does not include 67 students from other colleges who were enrolled in the 1951 nine-weeks summer term.

ENROLLMENT OF CLEMSON STUDENTS BY COUNTIES AND STATES 1951 NINE-WEEKS SUMMER TERM *

County	Total	State or Country	Total
Abbeville	7	Alabama	2
Aiken	17	California	2
Allendale	1	Canada	1
Anderson	47	Cuba	1
Bamberg	6	District of Columbia	7
Barnwell	4	Florida	4
Beaufort	4	Georgia	45
Berkeley	2	Guatemala	1
Calhoun	2	Illinois	2
Charleston	25	Indiana	1
Cherokee	11	Kansas	1
Chester	11	Kentucky	2
Chesterfield	8	Maryland	2
Clarendon	6	Missouri	1
Colleton	6	New Jersey	12
Darlington	10	New York	11
Dillon	5	North Carolina	62
Dorchester	6	Pakistan	1
Edgefield	4	Pennsylvania	16
Fairfield	3	Rhode Island	1
Florence	17	South Carolina	643
Georgetown	2	Tennessee	8
Greenville	75	Texas	1
Greenwood	19	Virginia	7
Hampton	4	West Virginia	1
Horry	18		
Jasper	5	Grand Total	835
Kershaw	4		
Lancaster	9		
Laurens	13		
Lee	4		
Lexington	14		
Marion	7		
Marlboro	7		
McCormick	7		
Newberry	4		
Oconee	57		
Orangeburg	16		
Pickens	46		
Richland	29		
Saluda	1		
Spartanburg	45		
Sumter	17		
Union	14		
Williamsburg	6		
York	18		
South Carolina Total	643		

* This summary does not include 67 students from other colleges who were enrolled in the 1951 nine-weeks summer term.

LIST OF STUDENTS IN SPECIAL PROGRAMS 1951 SUMMER SCHOOL

<i>Name and Course</i>	<i>Address</i>	<i>Name and Course</i>	<i>Address</i>
Abbott, C. T. (Unc)	Central	Hayes, M. T. (Unc)	Anderson
Aiken, R. C. (Unc)	Pickens	Haynie, J. P. (G)	Anderson
Alexander, M. E. (Unc)	Six Mile	Henderson, B. L. (Unc)	Pickens
Allen, N. M. (Unc)	Kings Creek	Hendricks, S. W. (Unc)	Clemson
Allen, R. L. (G Ed)	Clemson	Hicks, M. D. (Unc)	Westminster
Arnold, R. C. (Unc)	Seneca	Hill, A. S. (G Ed)	Anderson
Baird, N. K. (G Ed)	Clemson	Holleman, M. E. (Unc)	Seneca
Bailey, S. R. (G Ed)	Anderson	Holliday, B. C. (Unc)	Central
Banister, R. H. (Unc)	Clemson	Hopper, J. E. (G VAE)	Starr
Barron, M. A. (G Ed)	Seneca	Hopper, L. (Unc)	Belton
Bassett, M. R. (Unc)	Clemson	Huckabee, L. F. (Unc)	Williamston
Bethea, M. M. (Unc)	Anderson	Hull, P. D. (G Ind Ed)	Conway
Black, J. T. (G VAE)	Leesville	Hunnicutt, L. L. (Unc)	Clemson
Blakely, L. J., Jr. (G VAE)	Easley	Hunt, P. T. (Unc)	Townville
Bolt, M. L. (Unc)	Seneca	Jackson, L. H. (G Ed)	Starr
Bolt, M. W. (Unc)	Anderson	Jenkins, B. J. (G Ed)	Walhalla
Breazeale, L. P. (Unc)	Westminster	Johnson, J. W. (G VAE)	Easley
Brown, E. M. (G Ed)	Anderson	Johnson, S. O. (Unc)	Anderson
Brown, E. R., Jr. (G Ed)	Anderson	Jones, E. M. (Unc)	Pickens
Brown, J. G. (G Ind Ed)	Westminster	Jones, Fay R. (Unc)	Pickens
Bryant, A. K. (G Ed)	Williamston	Jones, Flossie R. (Unc)	Pickens
Burdette, C. O. (Unc)	Seneca	Jones, G. W. (G VAE)	Pendleton
Burgess, N. R. (Unc)	Belton	Jordan, M. S. (Unc)	Anderson
Burris, A. K. (G Ed)	Anderson	King, R. C. (Unc)	Seneca
Campbell, E. W. (G Ed)	Iva	Kowalski, F. O. (Unc)	Belton
Cannon, H. F. (G VAE)	Anderson	LaMaster, H. J. (Unc)	Clemson
Cantrell, J. N. (Unc)	Central	Lineberger, T. E. (G Ind Ed)	Greenville
Capell, P. F. (Unc)	Seneca	Lowry, B. L. (G Ed)	Seneca
Carson, H. B. (Unc)	Central	Lynch, V. G. (Unc)	Pickens
Ceryanec, V. J. (Unc)	Clemson	Lynch, W. L. (G Ed)	Seneca
Childress, F. H. (Unc)	Liberty	McDavid, B. M. (G Ed)	Westminster
Clarke, A. L. (Unc)	Clemson	McGee, J. A. (G Ed)	Starr
Clayton, L. E. (G Ed)	Clemson	McMahan, L. P. (Unc)	Seneca
Clement, J. M. (Unc)	Pickens	McMillan, C. (G VAE)	Clemson
Cochran, C. S. (Unc)	Walhalla	Mabry, A. L. T. (Unc)	Westminster
Coleman, H. G. (G Ed)	Anderson	Mahony, W. M. (G VAE)	Honea Path
Collins, E. J. (Unc)	Pickens	Mann, E. S. (Unc)	Six Mile
Collins, E. S. (Unc)	Seneca	Maret, L. A. (G Ed)	Anderson
Collins, J. E. (Unc)	Pickens	Mathis, J. H. (G)	McCormick
Cominetti, L. A. (Unc)	Central	Merchant, R. G. (Unc)	Barnwell
Cothran, O. R., Jr. (G VAE)	Fountain Inn	Merritt, B. D. (Unc)	Townville
Couch, J. H. (G Ind Ed)	Clemson	Miller, M. M. (G Ed)	Anderson
Cox, F. (Unc)	Seneca	Mitchell, A. S. (Unc)	Belton
Crawford, A. F. (G Ed)	Easley	Moore, B. B. (Unc)	Seneca
Cromer, M. G. (Unc)	Anderson	Morris, M. E. (Unc)	Anderson
Crowthow, W. F. (G VAE)	Pickens	Mullinnix, W. E. (G Ed)	Anderson
Davis, G. R. (Unc)	Easley	Murphree, R. D. (G Ed)	Easley
Deal, G. W. (G Chem), China Grove, N. C.		Murphy, R. L. (Unc)	Anderson
Dean, V. D. (Unc)	Clemson	Nalley, R. F. (G VAE)	Seneca
Dillard, C. R. (G VAE)	Abbeville	Nations, B. K. (Unc)	Central
Dixon, M. E. (Unc)	Anderson	Neal, J. R. (G VAE)	Travelers Rest
Edens, D. C. (Unc)	Six Mile	O'Dell, F. A. (Unc)	Pendleton
Edens, D. D. (G Ed)	Pendleton	Outz, F. E. (G Ed)	Fair Play
Edens, O. V. R. (Unc)	Six Mile	Palmer, K. M. (Unc)	Anderson
Evans, L. M. (Unc)	Six Mile	Parker, J. M. (Unc)	Easley
Evatt, R. E. (G Ed)	Liberty	Pennington, C. W. (G VAE)	Starr
Few, E. B. (G VAE)	Honea Path	Perry, D. C. (Unc)	Seneca
Field, C. C. (G Ed)	Toccoa, Ga.	Perry, S. L., Jr. (G Ed)	Clemson
Finley, G. B. (Unc)	Easley	Pickens, J. P. (G VAE)	Taylors
Folk, M. G. (G Ed)	Williamston	Pittman, S. N. (Unc)	Seneca
Free, V. S. (G Ed)	Seneca	Poore, Z. B. (G Ed)	Belton
Freeman, M. F. (Unc)	Gaffney	Porter, O. G. (Unc)	Pickens
Gainer, C. E. (G Ind Ed)	Lancaster	Porter, V. C. (G Ind Ed)	Williston
Gambrell, M. W. (Unc)	Anderson	Ramage, B. V. (Unc)	Townville
Garrett, S. N. (Unc)	Anderson	Richey, B. N. (G Ed)	Central
Garrison, R. B. (G Ed)	Anderson	Riley, M. A. (Unc)	Seneca
Gilmore, J. H. (Unc)	Walhalla	Rogers, M. (Unc)	Anderson
Gilstrap, J. M. W. (Unc)	Easley	Rogers, M. S. (Unc)	Pelzer
Goff, A. L. (G VAE)	Six Mile	Roper, F. J. (Unc)	Pickens
Goforth, R. C. (G Ed)	Kershaw	Roper, M. O. P. (Unc)	Six Mile
Grant, A. (Unc)	Pickens	Roper, O. F. (Unc)	Pickens
Grant, R. (Unc)	Pickens	Ross, J. (Unc)	Anderson
Guyton, L. E. (Unc)	Williamston	Russell, M. L. (Unc)	Mountain Rest
Hall, E. C. (Unc)	McCormick	Sandlin, H. W. (G Ed)	Anderson
Hammond, G. H. (G Ed)	Sandy Springs	Shirley, K. R. (G Ed)	Anderson
Haulbrook, B. L. M. (G Ed)	Seneca	Shirley, M. L. (G Ed)	Anderson

<i>Name and Course</i>	<i>Address</i>	<i>Name and Course</i>	<i>Address</i>
Shugart, W. H., Jr. (4 VAE).....	Walhalla	Ward, L. R. (Unc).....	Pickens
Singleton, E. R. (G Ed).....	Westminster	Ware, A. C. (Unc).....	Liberty
Smith, I., Jr. (G VAE).....	Central	Watkins, N. V. (G).....	Central
Smith, J. J. (G Ed).....	Anderson	Wease, B. L. (Unc).....	Clemson
Smith, L. F. (Unc).....	Salem	Welborn, M. H. (Unc).....	Williamston
Smith, N. B. (Unc).....	Anderson	Whitmire, G. P. (Unc).....	Westminster
Smith, S. C. (Unc).....	Easley	Wickliffe, B. I. (G Ed).....	West Union
Stephens, N. B. M. (G Ed).....	Central	Williford, R. B. (Unc).....	Anderson
Teague, F. A. (Unc).....	Pendleton	Wilson, L. G. (Unc).....	Williamston
Thompson, L. M. (Unc).....	Central	Winchester, S. K. (Unc).....	Central
Trotter, V. Y. (Unc).....	Pickens	Wingo, J. M. (G Ed).....	Pendleton
Turner, M. H. (Unc).....	Piedmont	Witherspoon, T. C. (Unc).....	Anderson
Verner, S. F. (Unc).....	Seneca	Wyatt, N. O. (Unc).....	Easley
Wall, M. S. (G Ed).....	Seneca	Young, C. E. (G).....	Columbia

TOTAL NUMBER OF STUDENTS ENROLLED IN THE 1951 SUMMER SCHOOL

TYPE OF PROGRAM	Regular Undergraduate Clemson Students	Students of Other Colleges	Graduate Students	Unclassified Students	Total
Nine-weeks Term	774	67	52	9	902
Programs of Less than Nine Weeks	1		74	126	201
Total	775	67	126	135	1,103

LIST OF STUDENTS, FIRST SEMESTER, 1951-1952

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A—Agriculture (unclassified as to major course), Ag Ec—Agricultural Economics, Agron—Agronomy, AH—Animal Husbandry, Bot—Botany, Dairy—Dairy, Ent—Entomology, Hort—Horticulture, Poul—Poultry, Ag En—Agricultural Engineering, Pre-For—Pre-Forestry, Pre-Vet—Pre-Veterinary, A&S—Arts and Sciences, Ind Phys—Industrial Physics, Pre-Med—Pre-Medicine, Chem—Chemistry, Ed—Education, Ind Ed—Industrial Education, VAE—Vocational Agricultural Education, E—Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch—Architecture, Ar En—Architectural Engineering, Cr En—Ceramic Engineering, Ch En—Chemical Engineering, CE—Civil Engineering, EE—Electrical Engineering, ME—Mechanical Engineering, TC—Textile Chemistry, TE—Textile Engineering, TM—Textile Manufacturing.

New students admitted in September, 1951, are indicated by an asterisk (*); part-time students by two asterisks (**).

<i>Name and Course</i>	<i>Address</i>	<i>Name and Course</i>	<i>Address</i>
Abbott, J. H. (1 TC)*	Canton, N. C.	Anderson, J. W. (2 A-AH)	Timmons ville
Abbott, J. R. (4 ME)	Walhalla	Anderson, M. H. (2 A-AH)	Timmons ville
Abercrombie, C. F. (2 Ag En)	Taylors	Anderson, R. B. (G Ag Ec)**	Sleepy Eye, Minn.
Abercrombie, R. R. (1 TM)*	Seneca	Anderson, S. H. (3 AH)	Timmons ville
Abney, J. R. (3 Arch)—	New Port Richey, Fla.	Anderson, S. P. (2 Ind Phys)	Laurens
Ackerman, C. L. (4 A&S)	St. George	Anderson, T. R. (1 TM)	Newberry
Ackerman, C. W. (3 AH)	Cottageville	Anderson, W. D. (2 A&S)	Summerville
Adams, F. W. (4 TM)	Laurens	Anderson, W. S. (1 TM)	West Point, Ga.
Adams, T. R. (2 A-AH)	Timmons ville	Andrews, E. M. (1 Ed)	Landrum
Adams, W. L. (2 A-Agron)	Cottageville	Andrews, R. C. (1 E-EE)	Columbia
Adams, W. O. (1 E-Ag En)	Cottageville	Andrews, W. P. (3 ME)	Greenville
Addabbo, D. J. (3 Ar En)	New York, N. Y.	Andrishok, E. E. (2 EE)	Mullins
Aiken, F. J. (4 TM)	Pendleton	Ankuta, A. E. (1 Ind Ed)*	Brooklyn, N. Y.
Aiken, W. R. (1 TM)*	Pendleton	Annas, G. J. (1 Ar En)	Granite Falls, N. C.
Aimar, L. B. (4 Ar En)	Charleston	Anthony, A. B. (3 CE)	Pickens
Alberson, J. L. (1 Arch)*	Pelzer	Ard, J. F. (1 A-AH)	Hemingway
Aldrich, H. E. (3 ME)	Anderson	Areheart, H. W. (1 E-TE)—	West Columbia
Alewine, J. F. (1 E-TE)*	Taylors	Armstrong, W. F. (2 EE)	Honea Path
Alewine, M. A. (1 Cr En)	Taylors	Arnold, O. G. (4 Ar En)	Orangeburg
Alexander, F. E. (2 Arch)	Fletcher, N. C.	Arnold, D. T. (3 TM)	Clanton, Ala.
Alexander, J. K. (4 Agron)	Bishopville	Arnold, T. R. (4 Ar En)	Anderson
Alexander, James M. (1 TM)	Walhalla	Arnold, T. W. (2 A&S)	Seneca
Alexander, Joe M. (1 Ch En)*	Anderson	Arthur, A. E. (2 Ar En)	Orlando, Fla.
Alexander, Julian M. (4 CE)	Westminster	Arthur, R. (1 A&S)*	Bristol, Tenn.
Alexander, M. B. (1 A-Ag Ec)	Columbia	Arthur, W. C. (3 ME)	Bristol, Tenn.
Allaart, K. M. (1 E-CE)*	Buffalo, N. Y.	Asbelle, C. T. (3 Arch)	Clearwater
Allaire, D. R. (1 TM)*	Belleville, N. J.	Ashcraft, W. D. (1 E-EE)*	Florence
Allen, A. C. (1 E-TE)*	Wadesboro, N. C.	Ashley, E. W. (1 E-EE)*	Honea Path
Allen, B. K. (1 Ed)	Gaffney	Ashley, F. B. (1 A-Hort)*	Aiken
Allen, H. W. (3 VAE)	Clio	Ashley, R. L. (3 Agron)	Honea Path
Allen, Jack L. (1 A-Agron)	Latta	Ashmore, R. M. (1 E-EE)	Greenville
Allen, James L. (4 Agron)	Clio	Ashton, J. P. (4 TE)	Philadelphia, Pa.
Allen, Jennings L. (1 E-ME)*	Hartsville	Asnip, W. D. (3 TM)	Pendleton
Allen, L. R. (4 Agron)	Kings Creek	Atkins, C. E. (1 A-Hort)	Gramling
Alley, J. P. (4 Ent)	Macon, Ga.	Atkins, F. H. (1 TC)*	Chesnee
Allison, J. D. (4 VAE)	Pauline	Atkinson, C. N. (2 Arch)—	St. Petersburg, Fla.
Allison, J. M. (3 CE)	Albany, Ga.	Atkinson, C. W. (4 TM)	Chester
Allsbrook, A. B. (1 VAE)*	Loris	Atkinson, W. D. (1 A-Dairy)*	Lowrys
Alsbrook, G. F. (1 Ar En)*	Sumter	Atkinson, W. J. (1 Arch)	Bennettsville
Amerson, M. J. (1 TM)*	Lamar	Attaway, H. H. (4 Ind Ed)—	North Charleston
Amick, B. C. (2 A-AH)	Chapin	Aughtry, J. E. (4 TM)	Lyman
Amick, W. A. (4 TM)	Rock Hill	Auld, C. D. (1 Arch)*	Greenville
Ammons, J. B. (4 Agron)	Hartsville	Auld, I. D. (G VAE)	Mt. Pleasant
Anagnost, N. P. (3 CE)	Greenwood	Austell, R. M. (1 TM)	Blacksburg
Anderson, B. G. (4 A&S)	Greenville	Austin, R. K. (2 CE)	Washington, D. C.
Anderson, H. S. (1 A-Agron)	Timmons ville	Avery, P. W. (1 E-ME)*	Newnan, Ga.
Anderson, J. J. (3 EE)	Lowrys		
Anderson, J. P. (2 TM)	Piedmont		
Anderson, J. T. (1 E-EE)*	Chester		

Name and Course	Address	Name and Course	Address
Avin, R. E. (2 VAE)	Manning	Benjaminson, V. B. (4 Dairy)	York, Pa.
Aycock, M. B. (1 TM)*	Greenville	Bennett, A. C. (3 AH)	Duncan
Ayers, E. J. (1 E-CE)*	Orangeburg	Bennett, G. U. (1 TM)*	Columbia
Babbitt, F. K. (1 E-TE), Fort Bragg, N. C.		Bennett, J. E. (1 E-EE)*	Greer
Bagwell, N. R. (1 TM)*	Spartanburg	Bennett, R. J. (3 VAE)	Union
Bailes, J. P. (2 A-Agron)	Union	Benton, J. C. (1 E-Ag En)*	Myrtle Beach
Bailey, C. C. (1 Pre-Med)	Clemson	Benton, P. L. (3 VAE)	Timmonsville
Bailey, C. H. (4 EE)	Allendale	Berner, L. G. (2 A-Agron)	Miami, Fla.
Bailey, C. K. (3 TE)	Lockhart	Berry, E. D. (1 TM)	Spartanburg
Bailey, H. G. (1 A&S)*	Woodruff	Berry, E. M. (3 Ind Ed)	Smoaks
Bailey, J. H. (3 ME)	Charleston	Berry, J. M. (4 Dairy)	Pelzer
Bailey, J. L. (1 Pre-Med)	Woodruff	Berry, P. H. (2 A-AH)	Saluda
Bailey, J. M. (1 E)*	Seneca	Berry, R. M. (3 ME)	Charleston
Bailey, T. A. (3 AH)	Naval Base	Best, F. G. (2 A-Agron)	Galivants Ferry
Baker, A. E. (2 A&S)	Charleston	Best, R. L. (1 A-AH)*	Ulmers
Baker, E. M. (3 Pre-Med)	Columbia	Betchman, H. B. (1 TM)*	Summerton
Baker, L. K. (4 Pre-Med)	Sumter	Bethune, R. M. (2 Cr En)	Cheraw
Baker, L. O. (1 VAE)	Marietta	Bickley, H. D. (2 EE)	Newberry
Baker, R. W. (4 TM)	Pageland	Bilton, L. R. (1 A-AH)*	Holly Hill
Baker, T. S. (1 A)*	Coward	Binnicker, W. F. (1 Pre-Vet)*	Norway
Baldwin, O. S. (4 Ind Ed)	McClellanville	Bishop, B. J. (2 TM)	Greenville
Baldwin, W. E. (4 Chem)	Spartanburg	Bishop, C. A. (2 A-Agron)	Union
Ball, W. L. (G EE)**	Laurens	Bishop, C. B. (2 Chem)	Bamberg
Ballard, A. T. (2 TM)*	Spartanburg	Bishop, C. E. (1 A-AH)	Inman
Ballentine, G. W. (3 TM)	Blythewood	Bishop, G. J. (4 Cr En)	Savannah, Ga.
Ballentine, J. R. (3 Ag En)	Anderson	Bishop, J. H. (2 TM)	Ware Shoals
Ballentine, T. F. (2 TM)	Blythewood	Bivins, R. T. (3 AH)	Atlanta, Ga.
Ballew, B. G. (1 Pre-Med)*	Greenville	Black, J. T. (G VAE)**	Leesville
Ballew, C. B. (G Ed)**	Liberty	Blackmon, R. B. (1 E-ME), Lawrence, Kan.	
Ballew, H. M. (3 TM)	Greenville	Blackmon, W. W. (2 Ar En)-	Columbus, Ga.
Banks, W. D. (2 ME)	Bristol, Tenn.	Blackwelder, M. W. (1 TM)*	Fort Mill
Banta, R. (3 CE)	Hawthorne, N. J.	Blackwell, B. E. (G VAE)**	Landrum
Banz, T. A. (2 TM)	Ridgewood, N. J.	Blackwell, H. E. (2 TM)	Gaffney
Barbot, D. C. (4 CE)	Florence	Blackwell, O. D. (2 VAE)	Inman
Barker, O. W. (3 Pre-Med)	Allendale	Blackwell, R. L. (2 TM)	Inman
Barker, R. H. (1 Ed)	Quitman, Ga.	Blair, E. W. (3 Arch)	Spartanburg
Barnett, J. C. (3 Pre-Med)	Marietta	Blair, R. A. (1 Pre-Med)	Louisville, Ky.
Barnette, M. E. (1 A&S)*	Pendleton	Blakely, L. J. (G VAE)**	Easley
Barnhill, B. G. (2 TC)	Gaffney	Blakely, R. M. (1 E-Ag En)	Laurens
Barr, D. A. (1 Pre-Med)	Albany, Ga.	Blanche, H. A. (3 TM)-	Amityville, L. I., N. Y.
Barr, W. H. (4 Ag En)	Rion	Blandford, J. C. (1 TM)*	Greenville
Barrow, R. A. (1 Pre-Med)*	North Augusta	Bleck, E. C. (1 E-ME)*	Staunton, Va.
Bartlett, F. O. (4 TM)	Spartanburg	Blessing, A. L. (3 ME)	Kingsport, Tenn.
Barton, J. W. (3 ME)	Atlanta, Ga.	Blocker, H. D. (1 A-Ent)	Walterboro
Barton, T. E. (3 Ed)	Lancaster	Bloxham, H. C. (4 TM)	Spartanburg
Barton, W. D. (2 A-Hort)	Aiken	Blume, E. S. (3 Arch)	Columbia
Bass, F. J. (2 A-Dairy)	Bluefield, W. Va.	Boan, D. C. (1 VAE)*	Darlington
Bass, J. C. (1 Cr En)	Florence	Boatwright, W. H. (1 E-EE)*	Darlington
Bates, C. L. (3 Arch)	Charlotte, N. C.	Boho, J. C. (1 TM)	Laurens
Bates, C. S. (2 Ag En)	Moncks Corner	Boddie, S. W. (G Chem)	Charleston
Bates, E. L. (4 Dairy)	Neeses	Bodle, W. J. (4 ME)	Anderson
Bates, J. S. (2 VAE)	Moncks Corner	Boggs, A. D. (3 Agron)	Seneca
Bates, M. R. (1 Pre-Vet)	Neeses	Boggs, C. R. (3 TM)	Greenville
Bates, S. W. (4 EE)	Naval Base	Bolick, B. L. (3 EE)	Brookford, N. C.
Batten, B. G. (1 A-AH)*	Wedgfield	Bolick, J. H. (3 Hort)	Marietta
Baxley, P. E. (3 ME)	Washington, D. C.	Bolt, F. (3 EE)	Gray Court
Bazen, B. E. (1 VAE)	Hyman	Bolt, I. P. (2 CE)	Anderson
Beach, M. G. (4 A&S)	Walterboro	Bolt, J. O. (1 E-Ag En)*	Anderson
Beach, R. L. (3 Ag En)	Walterboro	Bomar, L. S. (4 TM)	Greenville
Beall, J. H. (3 EE)	Chicago, Ill.	Bonds, J. E. (2 VAE)	Fountain Inn
Beam, J. D. (2 VAE)	Cherryville, N. C.	Bookhart, S. W. (3 Chem)	Kingstree
Beattie, R. C. (3 Arch)	Augusta, Ga.	Bookhart, T. W. (1 E-EE)*	Kingstree
Bedenbaugh, H. O. (2 VAE)*	Spartanburg	Boone, C. F. (3 TM)	Orangeburg
Bedenbaugh, R. F. (1 TC)*	North Augusta	Boover, E. W. (3 AH)	Leesville
Bee, S. S. (2 A-AH)	Charleston	Boswell, D. F. (4 TM)	Manning
Belger, J. H. (3 Arch)	Clio	Bouchillon, D. H. (3 Ch En)	Greenville
Bell, B. H. (1 TC)*	Inman	Bourne, C. R. (4 A&S)	Georgetown
Bell, G. E. (4 AH)	Cordova	Bowen, J. R. (1 VAE)	Westminster
Bell, J. E. (1 TM)*	Denmark	Bowen, W. T. (1 E-TE)	Clemson
Bell, J. N. (1 A-Agron)*	Cordova	Bower, H. W. (4 ME)	Amsterdam, N. Y.
Bell, J. R. (2 A&S)	Anderson	Bowman, A. K. (4 CE)	Sumter
Bell, R. C. (1 VAE)	Wampee	Bowman, W. L. (1 A-AH)	Lowndesville
Bell, R. D. (1 VAE)	Wampee	Boyd, James H. (3 Ind Ed)	York
Bell, R. R. (3 Ind Ed)	Pelzer	Boyd, Joseph H. (4 ME)	Toccoa, Ga.
Bell, R. S. (4 VAE)	Buffalo	Boyd, L. G. (3 TM)	Fairmont, Ga.
Bellamy, J. S. (1 A)*	Wampee	Boykin, H. D. (4 Arch)	Boykin
Bellamy, O. H. (G Ed)**	Florence	Boykin, J. D. (G)**	Georgetown
Bellamy, W. R. (3 VAE)	Loris	Boyle, C. R. (4 Ar En)	Columbia
Bellamy, W. W. (2 VAE)	Bamberg		
Benjamin, E. L. (1 TM)*	Clemson		

Name and Course	Address	Name and Course	Address
Boyles, S. N. (2 CE)	Ridgeland	Burns, R. D. (2 VAE)	McCormick
Brabham, C. B. (2 TE)	Dalzell	Burriss, C. A. (1 Ed)	Brooklyn, N. Y.
Brabham, V. L. (1 Pre-Med)	Florence	Burroughs, J. B. (3 CE)	Augusta, Ga.
Bracken, E. T. (2 A&S)	Pittsburgh, Pa.	Burton, H. B. (3 CE)	Clinton
Bradberry, H. E. (2 TE)	Greenwood	Bush, A. C. (1 TM)*	Easley
Bradberry, R. C. (2 EE)	Athens, Ga.	Butler, C. E. (4 VAE)	Travelers Rest
Bradberry, R. G. (2 A&S)	Orangeburg	Butler, E. A. (4 Ind Ed)	Youngstown, Ohio
Bradford, R. E. (1 E-CE)*	Roselle, N. J.	Butler, E. J. (3 AH)	Lexington
Bradham, R. D. (1 Ind Ed)*	Sumter	Butler, L. C. (3 TM)	Laurinburg
Bradley, J. E. (1 E-TE)	Fort Mill	Butt, J. M. (1 E-EE)*	Columbia
Bradley, J. S. (3 A&S)	Fort Benning, Ga.	Butts, J. M. (1 A-AH)	Westminster
Bradley, T. B. (2 TE)	Newberry	Butts, T. A. (3 Arch)	Bloomfield, N. J.
Bradley, W. F. (4 TM)	North Charleston	Buzzell, W. V. (3 Arch)	Augusta, Me.
Bradshaw, L. M. (1 A-AH)	Greeleyville	Byars, E. F. (G CE)**	Clemson
Brandon, L. R. (1 Arch)*	York	Byars, G. H. (2 Ag En)	Lowrys
Brandt, M. K. (1 Chem)*	Spartanburg	Byars, J. D. (1 E-CE)*	Greenville
Branham, L. P. (1 VAE)*	Lugoff	Byers, R. C. (1 E-TE)	Lincolnton, N. C.
Branham, M. C. (3 Ed)	Columbia	Byrd, C. F. (1 TM)*	Society Hill
Brant, J. O. (1 E-Ag En)*	Ulmers	Byrd, E. D. (1 A-Agron)	Kingstree
Branyon, W. E. (3 Dairy)	Honea Path	Byrd, G. E. (2 A-AH)	Hartsville
Breazeale, H. A. (1 A-AH)	Pendleton	Byrd, J. F. (2 TM)	Kingsport, Tenn.
Brennecke, H. J. (3 ME)	Walhalla	Byrd, J. L. (2 EE)	Hartsville
Brewer, G. F. (1 E-ME)*	Seneca	Byrd, W. E. (2 VAE)	Society Hill
Brickman, W. H. (1 Ch En)	Fountain Inn	Calabro, R. S. (2 TM)	Long Island
Bridgman, J. L. (4 TC)	Whitney	Calcult, S. E. (1 A)*	Pamplico
Bridges, R. K. (1 Pre-Med)	Duncan	Calder, E. M. (1 Ch En)*	Savannah, Ga.
Bridges, W. R. (3 TM)	Simpsonville	Calder, J. R. (3 AH)	Mullins
Bridgman, M. B. (3 TE)	Belton	Caldwell, G. C. (4 ME)	Willow Grove, Pa.
Briel, E. M. (1 E-CE)*	Miami, Fla.	Calhoun, C. C. (3 TM)	Greenville
Brigman, W. M. (1 A-Agron)	Latta	Calhoun, J. N. (2 Cr En)*	Ninety Six
Britt, D. K. (1 A)*	McCormick	Calhoun, R. E. (1 E-ME)*	Charlotte, N. C.
Broadwell, R. L. (4 TE)	Anderson	Callahan, J. F. (3 EE)	Atlanta, Ga.
Broadwell, W. V. (1 A-AH)*	Columbia	Calvert, J. W. (4 TM)	Spartanburg
Brock, D. H. (3 EE)	Anderson	Calvert, T. E. (3 TM)	Honea Path
Brock, L. W. (2 Ed)	Greenville	Camp, W. H. (2 ME)	Estill
Brock, O. D. (4 TM)	Whitmire	Campbell, C. J. (1 E-CE)*	Greenville
Brockenbrough, G. B. (3 Ag En)	Kinards	Campbell, C. W. (2 ME)	Hartwell, Ga.
Brogdon, J. T. (4 AH)	Manning	Campbell, E. (2 A-AH)	Dillon
Brooks, B. E. (2 EE)	Pelzer	Campbell, H. T. (3 TM)	Chester
Brooks, T. F. (3 A&S)	Columbus, Ga.	Campbell, J. G. (3 A&S)	Greenville
Broome, J. W. (2 TM)	Honea Path	Campbell, J. T. (1 E-CE)	Mocksville, N. C.
Bross, B. L. (2 EE)	Greenwood	Campbell, R. E. (2 Arch)	Anderson
Brown, A. E. (1 Cr En)*	Florence	Campbell, R. N. (1 Arch)*	Greenville
Brown, C. R. (1 Ed)	Spartanburg	Campbell, S. D. (1 Ind Ed)*	Orangeburg
Brown, E. E. (1 A)*	Woodruff	Campbell, T. J. (2 EE)	Greenville
Brown, E. H. (2 VAE)	Woodruff	Campbell, W. L. (1 A-AH)*	York
Brown, J. A. (2 A-AH)	Olar	Candler, H. H. (1 TM)*	Lockhart
Brown, J. F. (2 Pre-Vet)*	Anderson	Cannon, A. Y. (1 A&S)	Anderson
Brown, J. L. (2 Ag En)	Mountain Rest	Cannon, H. F. (G VAE)**	Honea Path
Brown, L. E. (4 CE)	Starr	Cannon, J. G. (3 TC)	Clemson
Brown, R. C. (3 VAE)	Townville	Cannon, R. B. (3 Arch)	Spartanburg
Brown, W. S. (4 TM)	Spartanburg	Cantley, M. P. (1 A-AH)*	Kingstree
Bruce, M. E. (3 Pre-Med)	Greer	Cantrell, G. W. (2 EE)	Liberty
Brunson, J. W. (3 AH)	Sumter	Capelle, D. G. (3 CE)	Clemson
Brunson, O. D. (2 Ind Ed)	Ridgeland	Carlile, J. J. (2 A-Agron)	Princeton, N. J.
Brunson, R. F. (4 ME)	Ridgeland	Carlisle, J. H. (2 TM)	Calhoun Falls
Bryan, R. T. (1 TM)	Seneca	Carlisle, J. S. (3 TE)	Spartanburg
Bryant, J. E. (3 Ed)	Savannah, Ga.	Carnell, W. J. (2 TE)	Ware Shoals
Bryant, J. R. (1 E-ME)	Orangeburg	Carnes, E. L. (1 E-CE)	Tonawanda, N. Y.
Bryson, H. H. (1 E-ME)*	Hazelwood, N. C.	Carothers, J. F. (4 TM)	Rock Hill
Bryson, T. J. (4 AH)	Mountville	Carpenter, B. R. (1 TM)	Lancaster
Bryson, W. S. (2 ME)	Spartanburg	Carpenter, C. H. (1 TM)	Graniteville
Bubnowski, E. W. (1 A-Ag Ec)*	Irvington, N. J.	Carpenter, W. Earle (1 TM)*	Warrenville
Buchanan, H. H. (2 ME)	Gastonia, N. C.	Carpenter, W. Ellis (4 TE)	Graniteville
Buck, G. R. (1 Ar En)*	Columbia	Carr, W. G. (4 Chem)	Union
Buckles, C. D. (2 A-AH)	Salters	Carraway, C. W. (2 Pre-Vet)	Charleston
Buford, W. H. (2 A-AH)	Ellenton	Carroll, E. R. (3 Arch)	Spartanburg
Buist, S. J. (4 Ed)	Blackville	Carroll, H. (1 E-EE)	Anderson
Bullington, E. D. (1 TM)	Seneca	Carroll, L. H. (2 Ag En)	Westminster
Bullock, J. W. (1 TM)*	Greenville	Carroll, R. C. (3 Ag En)	Florence
Burdette, F. D. (4 ME)	Simpsonville	Carson, J. M. (3 TM)	Kershaw
Burgess, R. K. (1 A)*	Columbia	Carter, C. A. (3 ME)	Rock Hill
Burkins, R. E. (3 Arch)	Baltimore, Md.	Carter, E. W. (4 TM)	Columbia
Burley, D. H. (4 Ch En)	Clemson	Carter, G. R. (4 TM)	Anderson
Burley, M. M. (4 Ind Ed)	Spartanburg	Carter, Richard M. (2 Pre-Med)*	Rock Hill
Burnett, H. M. (1 A-Hort)	Chesnee	Carter, Robert M. (1 E-CE)*	Walterboro
Burnett, W. E. (4 TM)	Greenwood	Carter, Z. V. (1 A-AH)*	Rock Hill
Burnett, W. H. (1 Pre-Med)*	Clemson	Carter, D. L. (1 E-EE)*	Newberry
Burns, J. C. (1 Pre-For)*	Metuchen, N. J.	Cason, C. R. (4 CE)	Walhalla
		Cason, P. N. (4 ME)	Brunswick, Ga.

Name and Course	Address	Name and Course	Address
Cassell, J. H. (3 Arch)	Pickens	Cole, R. E. (2 Ed)°	Charleston
Cassels, M. M. (1 E-ME)°	Easley	Cole, T. W. (3 ME)	Kershaw
Castles, T. S. (2 TM)	Winnsboro	Coleman, C. P. (3 CE)	Greenwood
Caston, H. R. (G VAE)°°	Heath Springs	Coleman, H. R. (1 E-CE)°	Columbia
Cate, N. H. (1 E-CE)	Brunswick, Ga.	Coleman, J. K. (2 A)	Columbia
Cates, F. B. (1 A-Hort)	Wadmalaw Island	Coleman, L. D. (2 A)	Columbia
Catow, Y. W. (1 E-TE)	Lancaster	Coleman, M. D. (2 A-AH)	Latta
Caudill, J. B. (3 Ag Ec)	Ronda, N. C.	Coleman, P. W. (3 Ag Ec)	Mountville
Caudill, V. S. (4 VAE)	Star, N. C.	Collier, D. C. (1 E-CE)°	Seneca
Caudill, W. J. (1 VAE)	Ronda, N. C.	Collier, E. P. (2 VAE)	Harleyville
Caughman, N. H. (2 Ag En)	High Point, N. C.	Collins, D. L. (1 A-AH)°	Mullins
		Collins, J. C. (1 Ed)	Chesnee
Causey, N. E. (2 A-AH)	Chadbourn, N. C.	Collins, J. E. (1 A-AH)°	Greenville
Cauthen, J. C. (1 E-TE)°	Orangeburg	Collins, M. A. (4 Ind Ed)	Walhalla
Cauthen, J. R. (3 Ag En)	Heath Springs	Collins, M. C. (1 Ind Ed)	Columbia
Cauthen, M. F. (3 TM)	Rock Hill	Collins, O. L. (1 TM)°	Fort Mill
Chagaris, W. J. (2 TE)	Charlotte, N. C.	Collins, T. C. (1 A-Ent)	Myrtle Beach
Chamblee, D. N. (3 Agron)	Anderson	Collins, W. L. (2 Ed)	Georgetown
Chamblee, H. R. (2 Ag En)	Anderson	Collins, Z. L. (1 TC)	Campobello
Chandler, J. A. (2 ME)	Murrells Inlet	Compton, C. J. (4 ME)	Hartsville
Chandler, W. A. (1 E-ME)°	Murrells Inlet	Compton, J. W. (2 Pre-Med)	Laurens
Chaplin, B. G. (1 A)°	Hartsville	Compton, R. F. (1 TM)	Laurens
Chapman, W. F. (G VAE)°°	Belton	Compton, W. C. (2 TM)	Seneca
Chapman, W. Z. (2 A-AH)	Society Hill	Condon, F. E. (2 TE)	Charleston
Chason, M. L. (4 VAE)	Cairo, Ga.	Cone, M. M. (2 A-AH)	Coosada, Ala.
Chastain, R. C. (G Ed)°°	Greer	Connell, W. J. (3 TM)	Greenville
Chastain, W. H. (G)°°	Mauldin	Connelly, P. L. (1 A-AH)	Hampton
Chatham, R. P. (1 Ind Ed)°	Port St. Joe, Fla.	Conner, L. H. (1 E)°	Spartanburg
		Coogler, A. L. (2 Ch En)	Chester
Cheek, F. L. (4 Poul)	Honea Path	Coogler, W. W. (3 Ch En)	Chester
Chibas, G. L. (2 ME)	Guantanamo, Cuba	Cook, A. (1 E-Ag En)	Hampton
Childers, F. R. (1 E-EE)°	Gaffney	Cook, D. L. (3 ME)	Kershaw
Childs, D. A. (3 TM)	Spartanburg	Cook, J. W. (4 EE)	Easley
Childs, L. C. (3 Ar En)	Columbia	Cook, P. A. (4 TC)	Spartanburg
Chreitzberg, B. K. (2 TM)	Williamston	Cook, R. C. (1 TM)°	Woodruff
Chrisawn, E. S. (2 ME)	Sumter	Cook, R. M. (3 TE)	Aiken
Christian, G. W. (1 E-TE)	McCormick	Cook, R. W. (1 Chem)	Aiken
Christian, J. R. (1 E-ME)	Charleston	Cook, W. C. (1 E-ME)°	Woodruff
Christopher, J. B. (4 Ind Ed)	Central	Cookson, F. E. (3 A&S)	Clemson
Ciotti, W. A. (2 Ar En)	Lexington	Cooper, B. R. (1 E-TE)°	Winnsboro
Claffy, J. F. (3 TM)	Spartanburg	Cooper, G. B. (1 TM)	Lancaster
Clapp, J. C. (3 Arch)	St. Petersburg, Fla.	Cooper, J. B. (3 CE)	Gray Court
Clark, C. R. (1 E-CE)°	Ft. Payne, Ala.	Cooper, J. R. (1 A&S)°	Clemson
Clark, E. W. (3 TM)	Lexington	Cooper, L. A. (1 TM)	Columbia
Clark, H. H. (2 TE)	Greenville	Cooper, T. G. (3 Pre-Med)	Columbia
Clark, N. C. (1 A)°	Waterloo	Cooper, W. P. (4 TM)	Columbia
Clark, R. P. (2 Pre-Med)	Charleston	Cope, W. W. (1 A-Agron)°	Cordova
Clarke, A. H. (4 TM)	Laurens	Corbett, W. E. (4 Ag En)	Mountville
Clary, M. R. (1 Ar En)°	Charleston	Corbitt, H. R. (2 VAE)	St. Matthews
Clayton, D. H. (4 Ch En)	Dorchester	Corbitt, M. R. (3 Ch En)	St. Matthews
Clayton, L. A. (3 TM)	Greer	Corley, E. L. (1 E-Ag En)°	Lexington
Clayton, R. (3 TM)	Inman	Corley, H. K. (1 E-ME)°	Columbia
Clayton, W. T. (G)	Central	Corley, J. F. (1 E-ME)°	Greer
Clelan, J. R. (2 TE)	Lewistown, Pa.	Cornwell, J. B. (4 TM)	Great Falls
Clemens, J. C. (3 A&S)	Clemson	Cothran, A. H. (1 A-AH)°	Greenville
Clemons, J. T. (2 A&S)	Kershaw	Cothran, E. E. (4 TM)	Sandy Springs
Clemons, S. P. (1 E-TE)°	Andrews	Cothran, L. E. (2 TC)	Central
Clifton, R. I. (1 TM)°	Gastonia, N. C.	Cothran, O. R. (G VAE)°°	Pickens
Cline, S. L. (4 TM)	Conover, N. C.	Cothran, R. E. (1 A-AH)	Aiken
Clinton, W. B. (1 E-ME)	Rock Hill	Cothran, W. J. (2 Ed)	Inman
Clyburn, D. A. (2 A&S)	Union	Cottingham, W. C. (2 A-AH)	Trio
Cobb, A. C. (2 TE)	Hodges	Cottrell, R. F. (1 TM)°	Trenton, N. J.
Cobb, O. T. (1 E-TE)°	Columbia	Couch, K. O. (G VAE)°°	Easley
Cobb, R. K. (1 E-ME)°	Greenville	Counts, T. W. (1 E-CE)	Greenville
Cobb, T. E. (4 TE)	Lyman	Cousar, R. E. (1 A-AH)	Sardinia
Cobb, W. H. (3 Ind Ed)	Columbia	Covington, N. J. (3 EE)	Charlotte, N. C.
Cochran, B. G. (1 A-AH)°	Dublin, Ga.	Covington, O. B. (1 E-CE)°	Savannah, Ga.
Cochran, P. (3 Ag En)	East Point, Ga.	Coward, V. L. (2 ME)	Calhoun Falls
Cochran, W. T. (4 TE)	Greenville	Cox, E. J. (1 A-AH)°	Albany, Ga.
Cockfield, D. (1 A-AH)°	Lake City	Cox, H. M. (1 VAE)	Loris
Cockrell, W. F. (1 TM)°	Grover, N. C.	Cox, J. A. (1 A-Ag Ec)°	Yonges Island
Cody, D. W. (1 E-TE)°	Gaffney	Cox, J. C. (1 Ar En)°	Greenville
Coggins, J. E. (1 VAE)	Inman	Cox, J. D. (2 TM)	Loris
Coggins, W. T. (2 EE)	Spartanburg	Cox, J. M. (4 Arch)	Kingsport, Tenn.
Coker, E. B. (1 VAE)°	Turbeville	Cox, M. E. (2 ME)	Greenwood
Coker, H. D. (2 VAE)	Kingstree	Cox, R. E. (4 AH)	Yonges Island
Coker, R. O. (1 TM)	Greer	Cox, R. O. (4 AH)	Woodruff
Coker, T. H. (2 VAE)	Pelzer	Cozart, J. G. (3 A&S)	Columbus, Ga.
Coker, W. J. (4 VAE)	Lake City	Crafton, C. G. (1 E-CE)°	Camden
Coker, W. R. (1 TM)°	Laurens	Craig, D. E. (2 Ag En)	Pendleton

Name and Course	Address	Name and Course	Address
Craig, O. L. (2 Ag En).....	Catechee	Debski, J. Z. (4 Poul).....	Irvington, N. J.
Craig, T. W. (1 A-AH)*.....	Elko	Dees, E. L. (4 TM).....	Blenheim
Craig, W. F. (2 A-Dairy).....	Rock Hill	Delk, W. S. (3 TM).....	Greenville
Craig, W. R. (2 Pre-Med).....	Pickens	DeLoache, W. E. (3 Hort).....	Columbia
Crain, W. W. (1 A-Dairy)*.....	Chester	Demosthenes, H. J. (4 Arch).....	Beaufort
Crane, H. E. (1 A)*.....	Belleville, N. J.	Dempsey, A. G. (3 TM).....	Drayton
Crawford, C. R. (1 Arch)*.....	Columbia	Dempsey, C. L. (3 Ind Ed).....	Naval Base
Crawford, J. B. (3 AH).....	Kelso, Tenn.	Dempsey, G. (G Ed).....	Seneca
Crawford, W. D. (4 TM).....	Winnboro	Dempsey, J. E. (2 ME).....	Drayton
Creech, J. S. (1 E-EE)*.....	Sumter	Denaro, L. F. (3 Ag En).....	Moncks Corner
Creech, J. H. (4 ME).....	Buffalo	Dennie, B. L. (1 A-Hort)*.....	Linville Falls, N. C.
Creighton, W. P. (3 TC).....	McCormick	Dennis, M. K. (1 A-AH).....	Hemingway
Crenshaw, P. W. (3 CE).....	Westminster	Denson, W. C. (4 ME).....	Orlando, Fla.
Crenshaw, T. N. (3 Agron).....	La France	Denton, F. H. (2 Ed).....	Dallas, Ga.
Cribb, L. H. (1 VAE)*.....	Hemingway	Derrick, F. C. (1 Chem)*.....	Johnston
Cribb, R. E. (1 VAE).....	Florence	Derrick, J. C. (3 Chem).....	Walhalla
Crim, M. L. (1 TM)*.....	Blythewood	Derrick, J. W. (1 E-TE)*.....	Ballentine
Crocker, B. D. (1 TM).....	Lockhart	DeWitt, A. E. (3 Ag En).....	Darlington
Cromer, C. D. (3 AH).....	Kinards	Dickerson, C. E. (1 E-CE)*.....	Morristown, Tenn.
Cromer, W. V. (2 Chem).....	Greenwood	Dickert, B. F. (1 Ch En)*.....	Columbia
Crosland, B. G. (1 Arch)*.....	Greenville	Dickson, J. P. (3 AH).....	McCormick
Crosland, L. K. (4 Agron).....	Bennettsville	Dill, B. M. (1 A-Agron).....	Landrum
Crouch, R. E. (3 A&S).....	St. Petersburg, Fla.	Dillard, S. W. (1 A-AH)*.....	Pacolet
Crumpton, J. C. (3 TM).....	Greenville	Di Marzo, J. M. (4 CE), West Orange, N. J.	
Crumrine, H. D. R. (1 E-CE)*.....	Philadelphia, Pa.	DiMucci, D. M. (2 Ed).....	McKeesport, Pa.
Cudd, R. H. (4 TM).....	Spartanburg	Dixon, E. C. (4 TM).....	Darlington
Culberson, C. K. (4 TM).....	Shannon, Ga.	Dixon, J. S. (1 Pre-Vet)*.....	Asheville, N. C.
Culbreth, F. H. (2 A-Hort).....	Campobello	Doar, L. H. (4 Ch En).....	San Francisco, Calif.
Culclasure, R. D. (1 A-AH)*.....	St. Matthews	Dobson, B. F. (2 A-Agron).....	Duncan
Culter, C. W. (1 A-Dairy).....	Orangeburg	Dobson, C. N. (1 A-AH).....	Brunson
Culley, H. B. (3 TE).....	West Frankfort, Ill.	Dodd, W. K. (2 Pre-Vet).....	Round O
Cunningham, K. S. (3 ME).....	Long Island, N. Y.	Dodson, C. A. (G Phys)*.....	Clemson
Cunningham, P. S. (1 E-EE)*.....	Sumter	Dodson, J. W. (1 E-ME)*.....	Laurens
Cunningham, R. B. (2 Arch).....	Columbia	Doggett, M. W. (1 Ch En).....	Williamson, W. Va.
Cunningham, W. J. (2 A-Hort).....	Lancaster	Dohar, E. J. (4 CE).....	Wattsville
Currie, E. G. (3 VAE).....	Lake View	Dominick, V. S. (1 E-TE)*.....	Rock Hill
Currie, J. M. (2 Ag En).....	Harleyville	Donaldson, R. J. (2 A-Hort).....	Mt. Pleasant
Curry, J. C. (2 Ar En).....	Batesburg	Donkle, J. O. (2 A-AH).....	Pauline
Cutchin, J. T. (4 Ag En).....	Portsmouth, Va.	Dorn, R. B. (1 A-AH)*.....	Irmo
Dabney, F. D. (4 TM).....	Rock Hill	Dorn, S. E. (1 E-ME)*.....	Clarks Hill
Dabney, W. D. (4 AH).....	Lancaster	Dotson, J. J. (1 A&S)*.....	Savannah, Ga.
Dalton, C. B. (2 Pre-For), Asheville, N. C.		Douglas, J. A. (1 VAE)*.....	Hemingway
Dalton, E. N. (1 A&S)*.....	Asheville, N. C.	Douglass, C. R. (2 CE).....	Reidsville, N. C.
Dameron, R. M. (4 Chem).....	Greenville	Dowling, J. H. (3 TM).....	Chester
Damiano, G. (3 CE).....	Providence, R. I.	Dozier, R. W. (2 Ag En).....	Marion
Daniel, B. J. (1 A&S)*.....	Oxford, N. C.	Drake, O. K. (4 TM).....	McCormick
Daniel, G. G. (4 Ed).....	North Augusta	Draper, C. H. (4 TM).....	Spartanburg
Daniel, L. W. (2 A&S)*.....	Oxford, N. C.	Drennon, H. L. (3 Ed).....	Pelzer
Daniels, J. E. (1 E-TE)*.....	Blythewood	Drew, F. H. (2 A&S).....	Ridgeland
Danner, B. C. (4 ME).....	Jonesville	Drew, T. C. (1 E-ME)*.....	Gaffney
Dantzler, H. L. (3 TE).....	Summerville	Driskill, C. E. (1 E-ME)*.....	Asheville, N. C.
Darby, L. G. (1 TC).....	Charleston	DuBose, L. S. (1 A-AH).....	Sumter
Darby, O. L. (2 EE).....	Honea Path	Duffies, S. B. (1 Arch).....	Elmhurst, N. Y.
Dargan, G. W. (3 Ed).....	Darlington	Duffy, J. E. (1 TM).....	White Plains, N. Y.
Darnell, H. C. (1 E-Ag En)*.....	Denmark	Duke, L. R. (2 A-Agron).....	Kingstree
Davenport, C. F. (3 CE).....	Greenville	Duke, R. W. (3 AH).....	Kingstree
David, R. A. (3 TM).....	Guatemala City, Guatemala	Dukes, E. O. (2 TM).....	North Augusta
Davis, B. B. (3 TM).....	Cowpens	Dukes, H. L. (4 TM).....	Newberry
Davis, C. W. (1 E-TE)*.....	Abbeville	Dukes, P. D. (3 Agron).....	Reevesville
Davis, F. C. (1 A-AH)*.....	Hemingway	Duncan, B. V. (1 TM).....	Pendleton
Davis, G. L. (4 TM).....	Waban, Mass.	Duncan, H. B. (1 TM).....	Greenville
Davis, H. (4 VAE).....	Townville	Duncan, H. H. (4 EE).....	Anderson
Davis, Henry G. (2 EE).....	Murfreesboro, Tenn.	Duncan, T. L. (1 Pre-For).....	Myrtle Beach
Davis, Herman G. (1 E-Ag En)*.....	Spartanburg	Dunlap, D. B. (2 A-Hort).....	Rock Hill
Davis, J. L. (1 E)*.....	Norfolk, Va.	Dunlap, R. T. (3 Dairy).....	Clinton
Davis, L. A. (2 A-AH).....	Cope	Dunn, C. (3 TM).....	Rock Hill
Davis, O. H. (1 E-EE)*.....	Beaufort	Dunn, O. H. (4 TM).....	Birmingham, Ala.
Davis, P. C. (4 CE).....	Greer	DuPre, W. M. (G Dairy)*.....	Clemson
Davis, W. C. (3 VAE).....	Furman	Dupree, R. B. (1 E-ME).....	Duncan
Davis, W. R. (1 E-EE).....	Liberty	Durden, G. C. (4 EE).....	Augusta, Ga.
Dawkins, J. R. (4 TE).....	Newberry	Durham, J. A. (1 TM).....	Pico, Calif.
Dawsey, J. W. (4 VAE).....	Aynor	Dwight, F. M. (1 Pre-Med)*.....	Wedgetfield
Deas, B. F. (4 TM).....	Rock Hill	Dwight, R. C. (3 EE).....	Sumter
DeBruhl, J. C. (2 A-AH)*.....	Linville Falls, N. C.	Dyches, P. E. (1 VAE).....	Blackville
		Earle, T. B. (3 AH).....	Savannah, Ga.
		Early, J. D. (3 Ent).....	Florence

Name and Course	Address	Name and Course	Address
Easley, J. J. (2 TE).....	Greenville	Fernser, L. E. (2 TM).....	Orangeburg
Easterby, A. H. (1 TM).....	Greenville	Few, E. B. (G VAE).....	Honea Path
Eaton, E. W. (1 A-Hort).....	Baltimore, Md.	Few, J. C. (3 EE).....	York
Ebner, B. R. (2 Pre-Vet).....	Meggett	Ficken, G. E. (4 VAE).....	Early Branch
Eckman, L. M. (3 TM).....	Jesup, Ga.	Fine, W. A. (1 Arch).....	Spartanburg
Eddins, W. S. (1 TM).....	Easley	Fischetti, M. A. (2 Ed).....	Brooklyn, N. Y.
Edenfield, M. E. (1 E-Ag En).....	Augusta, Ga.	Fister, J. R. (1 E-Ag En).....	Columbia
Edmonds, R. F. (Unc).....	Anderson	Fizer, J. R. (1 Ar En).....	Charlotte, N. C.
Edmondson, C. V. (1 A-Agron).....	Washington, D. C.	Flake, J. L. (3 Agron).....	Swansea
Edmondson, J. T. (1 TM).....	Conway	Flanagan, J. G. (2 VAE).....	Clover
Edwards, C. E. (1 E-EE).....	Charleston	Flanders, B. H. (2 Ag En).....	Kite, Ga.
Edwards, C. B. (2 ME).....	Florence	Flavin, J. P. (2 A-Agron).....	De Land, Fla.
Edwards, J. K. (3 A&S).....	Saluda	Fleming, C. L. (3 AH).....	Abbeville
Edwards, J. L. (1 A&S).....	Columbia	Fleming, M. L. (3 A&S).....	Spartanburg
Edwards, R. M. (1 A-AH).....	Elloree	Fleming, R. L. (1 Ed).....	Hendersonville, N. C.
Elam, J. D. (4 Ed).....	Spartanburg	Fletcher, F. L. (3 CE).....	Rock Hill
Elam, W. H. (1 TC).....	Ware Shoals	Fletcher, J. W. (3 EE).....	McColl
Elder, M. H. (4 Ag En).....	Atlanta, Ga.	Fletcher, J. E. (1 E-Ag En).....	Raleigh, N. C.
Eleazer, P. E. (2 EE).....	Pelion	Flowers, H. H. (2 Pre-Vet).....	Lancaster
Elledge, T. H. (2 Arch).....	Asheville, N. C.	Floyd, C. O. (3 ME).....	McBee
Elliott, B. K. (1 E-EE).....	Nichols	Floyd, J. J. (2 Ag En).....	Nichols
Elliott, J. B. (3 Agron).....	Nichols	Fogle, M. S. (4 Hort).....	Orangeburg
Elliott, W. O. (1 VAE).....	Loris	Folger, M. Y. (1 Arch).....	Asheville, N. C.
Ellison, C. H. (3 EE).....	Spartanburg	Folk, E. W. (4 Ch En).....	Simpsonville
Ellison, D. C. (1 E-TE).....	Easley	Folk, T. K. (1 E-CE).....	Williston
Ellison, H. B. (1 TM).....	Fort Mill	Folks, J. J. (2 TM).....	Inverness, Fla.
Ellison, W. R. (4 A&S).....	Anderson	Ford, W. E. (3 TM).....	Medford, Mass.
Elmore, C. B. (1 A-AH).....	Bishopville	Fore, F. C. (3 VAE).....	Mullins
Elrod, B. R. (3 AH).....	Piedmont	Forgett, V. J. (2 Ind Ed).....	Ridgefield, N. J.
Elrod, C. P. (1 E-EE).....	Greenville	Forlidas, G. N. (2 Pre-Med).....	Clemson
Elrod, H. W. (2 TM).....	Piedmont	Forlidas, M. J. (1 E-CE).....	Spartanburg
Elrod, R. F. (4 Dairy).....	Piedmont	Forlidas, N. J. (3 TE).....	Spartanburg
England, W. D. (3 Ag En).....	Westminster	Forr, H. J. (4 ME).....	Philadelphia, Pa.
Epting, R. W. (1 TM).....	Newberry	Foster, James C. (1 A).....	Gramling
Erskine, J. H. (2 ME).....	Anderson	Foster, Joe C. (1 TM).....	Woodruff
Ervin, W. C. (3 Ag En).....	Florence	Foster, J. H. (1 TM).....	Spartanburg
Erwin, C. N. (2 A-Agron).....	Brevard, N. C.	Foster, T. D. (4 Chem).....	Spartanburg
Eskew, T. F. (3 A&S).....	Anderson	Foster, W. C. (1 E-ME).....	Jonesville
Estes, R. T. (G Chem).....	North Charleston	Fousek, A. L. (2 TE).....	Fair Play
Etheredge, T. W. (1 E-TE).....	Swansea	Fowler, D. A. (2 EE).....	Union
Etheredge, W. C. (1 Pre-Med).....	North	Fowler, H. E. (4 AH).....	Taylors
Ethridge, J. J. (1 TM).....	Anderson	Fowler, J. K. (1 E-Ag En).....	Easley
Eubanks, G. E. (1 E-Ag En).....	Aiken	Fowler, R. H. (1 E-TE).....	Spartanburg
Eubanks, H. O. (4 Arch).....	Augusta, Ga.	Fowler, R. R. (3 TM).....	Laurens
Eubanks, J. W. (1 A-AH).....	Buffalo	Fowler, S. R. (1 E-EE).....	Charlotte, N. C.
Eurey, E. M. (1 E-ME).....	Estill	Fox, B. R. (1 E-TE).....	Inman
Evans, A. W. (4 A&S).....	Savannah, Ga.	Fox, J. G. (1 A).....	West Orange, N. J.
Evans, C. D. (G Ag Ec).....	Clemson	Fox, S. W. (4 ME).....	Philadelphia, Pa.
Evans, J. L. (3 TM).....	West Orange, N. J.	Franke, F. R. (1 E-EE).....	Spartanburg
Evans, M. L. (2 A).....	Lake City	Franklin, M. S. (4 TM).....	Aiken
Evatt, A. H. (4 TM).....	Easley	Franzen, R. C. (1 E-ME).....	Joanna
Everts, R. C. (1 Pre-Med).....	Wilmington, Del.	Fraser, C. A. (2 CE).....	Greenville
Fabian, J. D. (1 Ind Ed).....	Charleston	Freeman, C. B. (3 Ind Phys).....	Westminster
Fabian, W. L. (3 TM).....	Charleston	Freeman, J. L. (1 E-CE).....	Savannah, Ga.
Fain, C. C. (2 TM).....	Spartanburg	Freret, W. A. (2 CE).....	Wilmington, N. C.
Falls, D. L. (2 Arch).....	Johnson City, Tenn.	Freudenberger, O. L. (3 CE).....	St. Petersburg, Fla.
Fanning, W. H. (4 Ar En).....	Columbia	Frick, G. O. (1 TM).....	Columbia
Fant, L. F. (1 E-CE).....	Clemson	Frick, R. A. (3 Ag En).....	Rock Hill
Farmer, T. J. (1 Arch).....	Burlington, N. J.	Fricke, D. K. (4 Dairy).....	Baldwin, N. Y.
Faucett, J. W. (4 Pre-Med).....	Union	Fridde, W. J. (2 TM).....	Greenville
Faulkenberry, B. K. (3 EE).....	Greenville	Frierson, R. V. (2 A).....	Denmark
Faulkenberry, G. W. (1 E-ME).....	Lancaster	Frierson, T. R. (1 E-CE).....	Sumter
Faulkenberry, R. E. (2 A-Dairy).....	York	Fritts, W. D. (1 A).....	Lenoir City, Tenn.
Faver, W. H. (2 A&S).....	Eastover	Froelich, R. S. (3 Hort).....	Allendale, N. J.
Faw, P. C. (2 ME).....	Piedmont	Fry, L. H. (2 Ag En).....	Cochran, Ga.
Feaster, R. L. (1 A&S).....	Graniteville	Fuller, R. C. (1 E).....	Murphy, N. C.
Featherstone, D. E. (3 TM).....	Hendersonville, N. C.	Fullum, W. J. (4 TM).....	Brooklyn, N. Y.
Featherstone, R. A. (1 TM).....	Hendersonville, N. C.	Fulmer, J. P. (3 Hort).....	Augusta, Ga.
Feemster, T. R. (2 TM).....	Gastonia, N. C.	Furr, J. B. (2 TM).....	Newton, N. C.
Feldman, S. I. (2 A&S).....	Charleston	Gage, C. V. (2 TE).....	Clemson
Fennell, C. A. (4 Agron).....	Chester	Gaillard, J. A. (2 EE).....	Florence
Fenters, R. A. (1 A-AH).....	Hemingway	Gaillard, J. L. (1 E-TE).....	Seneca
Ferguson, B. M. (2 Ag En).....	Brevard, N. C.	Gaines, R. O. (1 TM).....	Greenwood
Ferguson, C. H. (1 TM).....	Great Falls	Gainor, M. U. (1 E-TE).....	Chester
Ferguson, C. R. (4 TM).....	Atlanta, Ga.	Gale, C. L. (1 E-ME).....	Conway
		Gallman, J. A. (1 Chem).....	Inman
		Galloway, H. F. (3 TM).....	Hartsville
		Galloway, J. A. (2 A-Agron).....	Hartsville

Name and Course	Address	Name and Course	Address
Galloway, R. H. (1 Ed)°	Greenwood	Godshall, W. F. (1 A)°	Greenville
Gallucci, R. A. (2 TM)°	West New York, N. J.	Godwin, B. P. (1 A-AH)	Coward
Gambrell, D. L. (1 TM)°	Piedmont	Godwin, C. L. (2 VAE)	Summerton
Gambrell, H. D. (3 EE)	Pendleton	Godwin, C. M. (1 E-Ag En)	Lake City
Gantt, C. D. (1 Ed)	West Columbia	Godwin, H. F. (4 AH)	Lake City
Gardner, C. M. (1 E-TE)°	Darlington	Godwin, J. B. (2 Ag En)	Lake City
Gardner, G. N. (4 TM)	Kershaw	Godwin, J. E. (4 Ind Ed)	Johnsenville
Gardner, J. M. (3 Ind Ed)	Hartsville	Godwin, J. H. (1 Ch En)°	Sumter
Gardner, T. B. (4 Ag Ec)	Mullins	Godwin, J. L. (2 VAE)	Summerton
Garland, J. L. (4 Ar En)	Erwin, Tenn.	Goff, D. L. (1 VAE)	Batesburg
Garner, J. B. (3 CE)	Cedartown, Ga.	Goforth, C. C. (G VAE)	Gaffney
Garner, J. D. (1 TM)°	Gaffney	Gonseth, W. C. (3 CE)	Brooklyn, N. Y.
Garren, D. H. (4 ME)	Easley	Good, J. H. (4 TM)	Lockhart
Garren, M. H. (3 TM)	Greenville	Goodin, C. P. (Unc)°°	Clemson
Garren, W. R. (2 A-Hort)°	West Asheville, N. C.	Goodlett, C. B. (2 Ch En)	Travelers Rest
Garrett, C. F. (2 EE)	Easley	Goodman, C. K. (1 E-Ag En)°	Silver Springs, Md.
Garrett, J. C. (1 E-EE)	Anderson	Goodman, W. S. (3 Ind Ed)	Clemson
Garrett, J. S. (2 A&S)	Six Mile	Gordon, J. C. (4 EE)	Liberty
Garrick, G. H. (1 A)°	Cope	Gorse, A. H. (3 EE)	Charleston
Garrison, E. W. (3 TM)	Sandy Springs	Gossett, D. C. (1 TM)°	Fort Mill
Garrison, J. B. (3 Dairy)	Greenville	Gossett, T. C. (3 TM)	Fort Mill
Garrison, J. E. (2 A-AH)	Rock Hill	Gough, S. W. (4 Ind Ed)	Chester
Garrison, R. E. (4 TM)	Greenville	Gowdy, W. B. (1 E-Ag En)°	Cades
Garrison, R. L. (3 TM)	Pelzer	Gower, A. G. (1 Pre-Med)	Vienna, Va.
Garrison, W. H. (4 Ar En)	Columbia	Grady, C. C. (1 TM)	Spartanburg
Garvin, J. T. (2 A-AH)	Greenwood	Graham, A. T. (3 TM)	Scranton
Garvin, L. A. (1 E-Ag En)°	Charleston	Graham, B. J. (4 Hort)	Erie, Pa.
Garvin, T. E. (4 AH)	Salley	Graham, B. M. (3 TM)	Rock Hill
Gaskin, B. H. (3 Hort)	Kershaw	Graham, J. A. (3 Agron)	Scranton
Gaskin, M. D. (2 Ed)	Orangeburg	Grainger, C. R. (3 Agron)	Nichols
Gasque, E. L. (1 E-ME)	Mullins	Grainger, E. M. (4 Agron)	Nichols
Gasque, J. M. (1 E-EE)°	Columbia	Grainger, H. J. (2 A-AH)	Tabor City, N. C.
Gasque, W. A. (1 E-EE)°	Marion	Grainger, L. C. (1 E-Ag En)	Conway
Gause, J. E. (2 ME)	Piedmont	Granade, J. M. (2 TE)	Aiken
Geiger, M. H. (2 ME)	McColl	Grant, R. C. (1 E-TE)°	Abbeville
Gentile, J. B. (1 A-AH)	Brooklyn, N. Y.	Grant, S. J. (3 CE)	Darlington
Gentry, D. R. (1 E-CE)°	Easley	Gravely, N. F. (1 TM)	Sunset
Gentry, F. T. (3 Ed)	Erwin, Tenn.	Graves, C. A. (1 E-TE)°	Due West
Gentry, J. B. (G)°°	Clemson	Gray, C. E. (1 E-EE)°	Spartanburg
Gentry, W. G. (1 E-Ag En)°	Pawleys Island	Gray, C. J. (4 TC)	Anderson
George, E. M. (1 TM)	Rock Hill	Gray, J. G. (2 TE)	Ware Shoals
George, S. B. (1 Ch En)°	Lexington	Green, J. T. (2 A-Hort)	Sumter
Gerald, J. E. (4 Agron)	Galivants Ferry	Green, W. K. (1 A-AH)°	Kingstree
Gettys, W. A. (1 Arch)	Gaffney	Greenan, J. A. (4 EE)	Philadelphia, Pa.
Gibbons, J. L. (1 A-Agron)°	Turbeville	Greene, E. L. (4 Ar En)	Greenville
Gibbs, C. H. (1 E-TE)°	Laurens	Greene, F. A. (3 CE)	Greer
Gibbs, J. T. (2 ME)	North Augusta	Greene, J. C. (2 A)	Jackson
Gibson, C. A. (2 A&S)	Taylors	Greene, J. E. (2 A-AH)	Greenville
Gibson, C. R. (4 TM)	Westminster	Greene, J. H. (1 TM)°	Fort Mill
Gibson, F. A. (1 E-TE)°	Seneca	Greene, J. T. (1 A)	Augusta, Ga.
Gibson, J. H. (4 Ag En)	Chester	Greene, J. W. (1 Ed)	Union
Gibson, J. P. (2 CE)°	Charlotte, N. C.	Gregg, J. H. (3 EE)	Effingham
Gibson, T. J. (3 A&S)	Greenville	Gregg, J. M. (3 A&S)	Hemingway
Gibson, W. J. (3 Hort)	Greer	Gregg, W. A. (3 TM)	Clearwater
Giddens, W. H. (1 TM)	Lakeland, Ga.	Gregory, C. S. (3 Ed)	San Francisco, Calif.
Gillespie, J. F. (4 CE)	Montgomery, Ala.	Gregory, F. M. (2 Ind Ed)	Spartanburg
Gillespie, J. W. (G Ent)°°	Walhalla	Gregory, T. P. (1 E-ME)	Chester
Gillespie, M. R. (3 Pre-Med)	Norris	Greiff, P. S. (1 Pre-For)°	Beaver Dams, N. Y.
Gilliam, D. F. (1 A&S)	Union	Gressette, F. R. (2 Pre-Med)	St. Matthews
Gilliland, E. J. (2 TM)°	Drayton	Gressette, L. M. (2 A&S)	St. Matthews
Gilmore, J. A. (2 Ag En)	Santuck	Gressette, W. N. (2 A-AH)	St. Matthews
Gilmore, W. D. (1 Pre-Med)°	Walhalla	Grey, W. H. (3 TM)	Greenville
Gilstrap, A. J. (1 E-Ag En)°	Liberty	Griffin, B. L. (4 EE)	Central
Ginn, J. P. (2 A-AH)	Varnville	Griffin, C. R. (2 Pre-Med)	Central
Gioiosa, T. E. (3 Arch)	Bethesda, Md.	Griffin, C. R. (1 A-Agron)	Leesville
Giordano, P. F. (2 A)	Tonawanda, N. Y.	Griffin, M. O. (1 TM)°	Fort Mill
Gissendanner, J. D. (3 EE)	Columbia	Griffin, T. M. (2 TM)	North Augusta
Gladden, W. P. (1 E-Ag En)°	Richburg	Griffith, S. C. (2 A&S)	Newberry
Gleaton, H. J. (1 TM)°	Greenville	Griffith, W. A. (4 TM)	Lancaster
Glenn, B. A. (4 TM)	Greenville	Griggs, C. D. (1 TM)	Travelers Rest
Glenn, C. A. (1 Arch)°	Anderson	Gruenberg, R. S. (2 Pre-Med)°	Timmonsville
Glenn, C. R. (1 TM)°	Woodruff	Guest, G. D. (1 A)°	Darlington
Glenn, J. M. (3 EE)	Anderson	Guilford, H. W. (1 Ar En)°	Walterboro
Gnann, W. N. (G Ent)°°	Ridgeland	Guillocheau, R. A. (1 TM)°	Long Island, N. Y.
Godfrey, C. H. (4 ME)	Florence	Gunnin, E. A. (G CE)°°	Starr
Godshall, A. C. (1 A&S)°	Greenville	Gunter, D. D. (1 Ar En)°	West Columbia
Godshall, R. A. (2 A-AH)	Eastover		

Name and Course	Address	Name and Course	Address
Gunter, E. J. (1 TM)*	Anderson	Hartzog, L. V. (1 E-EE)*	St. George
Guyton, R. D. (3 ME)	Pelzer	Harvell, H. D. (2 Ar En)	Greenville
Haas, W. V. (3 TE)	Greenville	Harvey, G. S. (1 E-EE)*	Columbia
Haddon, F. M. (4 TM)	Anderson	Harvey, N. L. (4 Ag En)	Summerville
Hadsock, H. S. (4 TM)	McCormick	Harvey, P. N. (3 TE)	Clover
Hagan, C. M. (3 Ed)	Longport, N. J.	Hasell, A. H. (3 CE)	Columbia
Hagan, L. D. (4 TM)	Greenwood	Hasell, D. I. (1 A&S)*	Columbia
Hair, A. B. (3 TM)	Williamston	Haskew, M. M. (1 A)*	Naval Base
Hair, J. T. (2 TE)	Aiken	Hastings, E. D. (4 Ag En)	Norfolk, Va.
Hair, W. E. (3 CE)	Westminster	Hasty, W. H. (1 A-Dairy)*	Little Rock
Hair, W. W. (2 TM)	Canadys	Hatchell, E. L. (3 TE)	Charleston
Halifax, J. F. (3 EE)	Savannah, Ga.	Hatcher, C. R. (3 TE)	Graniteville
Hall, B. B. (G Ed)**	Mt. Pleasant	Hattaway, J. A. (3 EE)	Greenville
Hall, C. Louis (3 CE)	Greenville	Haugk, D. C. (4 TE)	Jersey City, N. J.
Hall, C. Luther (1 TM)*	Greenwood	Hauser, G. T. (4 TM)	Caldwell, N. J.
Hall, H. B. (1 A-AH)*	Hazelwood, N. C.	Hawes, R. L. (1 TM)*	New Hartford, N. Y.
Hall, J. F. (1 TM)	Anderson	Hawkins, A. E. (1 E-EE)	Greenville
Hall, P. W. (3 VAE)	Pendleton	Hawkins, E. H. (3 TE)	Ducktown, Tenn.
Hall, R. C. (2 A-AH)	Mt. Ulla, N. C.	Hawkins, G. R. (4 TM)	Newberry
Hall, T. C. (2 Ag En)	Matthews	Hawkins, H. S. (2 TM)	Rock Hill
Hall, W. B. (1 E-ME)	Spartanburg	Hawkins, M. D. (1 A-Agron)	Hartsville
Hall, W. C. (2 Ind Ed)	Ridgeland	Hawkins, T. R. (3 Dairy)	Greenwood
Ham, W. F. (1 E-ME)*	Darlington	Hayden, J. L. (3 AH)	Walterboro
Hamilton, J. H. (4 Ag En)	Fort Mill	Hayes, C. F. (1 A-AH)*	Harris, N. C.
Hamilton, P. M. (1 E-ME)*	Silver Springs, Md.	Hayes, J. A. (1 A&S)*	Greenville
Hamilton, W. H. (2 A)	Garnett	Hayes, J. D. (1 E-CE)*	Latta
Hamiter, W. L. (3 TC)	Columbia	Hayes, T. W. (1 A-AH)*	Sellers
Hamlin, P. R. (4 EE)	Brevard, N. C.	Hayes, W. H. (2 A-Dairy)	Harris, N. C.
Hammet, C. J. (2 A-AH)	Kingstree	Haynes, H. G. (2 Arch)	Charleston
Hammett, J. M. (PG ME)	Gaffney	Haynie, G. W. (2 TM)	Belton
Hammond, A. F. (G CE)**	Florence	Haynie, J. P. (G)**	Anderson
Hammond, J. L. (1 TM)*	Hendersonville, N. C.	Haytas, J. A. G. (1 E-TE)*	Wortendyke, N. J.
Hammond, J. R. (1 E-ME)	Newnan, Ga.	Hazle, P. B. (4 TM)	Woodruff
Hampton, C. O. (3 ME)	Lockhart	Head, G. A. (2 CE)	Arden, N. C.
Hampton, L. W. (4 TM)	Spartanburg	Heape, C. (3 VAE)	Luray
Hanahan, W. O. (3 Ch En)	Charleston	Hearon, A. P. (2 TE)	Darlington
Hanauer, A. S. (1 TM)	New York, N. Y.	Heath, W. P. (1 TM)*	Esmont, Va.
Hance, C. W. (2 A-AH)	Heath Springs	Heatley, S. M. (3 Cr En)	Moncks Corner
Hance, M. H. (4 TM)	Heath Springs	Hedden, F. F. (3 Pre-Med)	Walhalla
Hanckel, F. S. (1 A-Dairy)*	Charleston	Hedden, J. R. (2 ME)	Charlotte, N. C.
Hancock, A. B. (4 TM)	Ruby	Hefey, E. M. (2 TE)	Rock Hill
Hancock, S. W. (1 TM)	Ruby	Hellans, A. D. (1 TM)*	Laurens
Hand, M. H. (1 A&S)*	Franklinton, N. C.	Heller, J. N. (1 A&S)*	Flint, Mich.
Hankinson, J. C. (1 TM)	McBean, Ga.	Helm, W. R. (1 Pre-For)	Albany, Ga.
Hanks, F. L. (3 EE)	Anderson	Helmick, K. R. (1 E-ME)*	Waynesville, N. C.
Hann, J. F. (3 TM)	Easley	Helms, A. K. (1 E-TE)*	Waxhaw, N. C.
Hann, M. H. (2 VAE)	Easley	Henderson, G. A. (1 E-EE)*	Greenwood
Hanna, J. E. (2 TM)	Woodruff	Henderson, N. (1 E-ME)*	Greenville
Hanna, J. M. (3 ME)	Mooresville, N. C.	Henderson, W. N. (1 A)	Greenville
Harbin, W. H. (3 ME)	Seneca	Hendricks, D. (4 AH)	Liberty
Hardee, J. H. (1 E-Ag En)*	Loris	Hendricks, D. R. (1 E-ME)*	Easley
Hardee, J. O. (1 A)*	Greeleyville	Hendricks, R. (2 Cr En)**	Central
Harden, J. C. (1 A&S)*	Columbia	Hendricks, T. D. (1 E-ME)*	Pittsburgh, Pa.
Hardin, J. T. (4 TM)	Whitmire	Hendricks, T. E. (2 Ag En)	Central
Hardin, R. L. (1 E-CE)*	Anderson	Hendrix, C. D. (1 Ch En)*	Greenville
Hardman, G. (3 EE)	Warner Robins, Ga.	Hendrix, J. H. (4 CE)	Shelby, N. C.
Hardy, C. L. (2 Ag En)	Johnston	Henry, L. L. (3 A&S)	Clemson
Hare, E. B. (3 Hort)	Lake Wales, Fla.	Henson, J. G. (1 A-AH)*	Forest City, N. C.
Hare, J. F. (4 A&S)	Lake Wales, Fla.	Heriot, R. M. (1 Pre-Med)	Dalzell
Harkins, C. S. (2 TM)	Greenwood	Herlong, D. P. (4 Ed)	Rock Hill
Harley, R. G. (1 Cr En)	Orangeburg	Herlong, J. P. (2 A-AH)	Saluda
Harmon, B. G. (3 TM)	Newberry	Herndon, J. A. (1 VAE)*	Bamberg
Harper, J. E. (4 TM)	Seneca	Herring, J. N. (1 A-AH)	Nichols
Harper, W. F. (1 TM)*	York	Herring, L. B. (3 Cr En)	Dillon
Harper, W. W. (4 TE)	Seneca	Hertz, R. R. (1 E)*	Augusta, Ga.
Harrell, S. S. (3 AH)	Ferndale, Mich.	Hester, J. T. (3 AH)	Calhoun Falls
Harris, C. N. (2 TC)	Rock Hill	Hester, T. E. (2 A-Ag Ec)	Pickens
Harris, H. S. (4 CE)	Union	Heustess, J. C. (3 Dairy)	Winnboro
Harrison, D. L. (1 E-CE)*	Brunson	Hicklin, O. A. (1 E-ME)*	St. Matthews
Harrison, J. W. (1 Arch)*	Sumter	Hicks, G. D. (2 Arch)	Erwin, Tenn.
Harrison, R. M. (1 TM)*	Greenwood	Hicks, J. C. (2 A)	Apopka, Fla.
Harrison, R. W. (4 VAE)	Rock Hill	Hiers, J. E. (3 Agron)	Ehrhardt
Harshaw, C. E. (1 E-CE)*	Marion, N. C.	Higginbotham, W. C. (1 TM)	Rowesville
Hart, F. M. (G VAE)**	Kelton	High, H. M. (1 A-Hort)*	Spartanburg
Hart, R. M. (3 AH)	Florence	High, J. W. (4 AH)	Spartanburg
Hartman, C. B. (1 E-EE)*	Mocksville, N. C.		

Name and Course	Address	Name and Course	Address
Hildebrand, E. J. (4 ME)—	Washington, D. C.	Hubert, A. T. (2 A)	Lexington, Va.
Hildebrand, N. A. (2 A-AH)	St. Matthews	Hucks, C. C. (4 Ag En)	Conway
Hill, C. E. (4 Hort)	Charleston	Hucks, W. (1 VAE)*	Calivants Ferry
Hill, F. W. (1 E-CE)	Summerville	Hudson, J. C. (2 Ed)	North Charleston
Hill, H. L. (2 TE)	Toccoa, Ga.	Hudson, J. P. (3 ME)	Decatur, Ga.
Hill, J. D. (4 ME)	Greenville	Hudson, R. L. (1 TM)	Sarasota, Fla.
Hill, R. G. (1 E-TE)*	Florence	Hudson, W. G. (G ME)**	Clemson
Hill, R. L. (4 EE)	Anderson	Huey, R. B. (2 Chem)	Cheraw
Hiller, C. J. (1 Pre-Med)*	Greenville	Huff, P. L. (3 TM)*	Columbia
Hilley, G. D. (1 TM)	Greenwood	Huffman, R. L. (1 A)*	Newberry
Hindman, J. D. (1 Ch En)—	Red Wing, Minn.	Huggins, C. B. (2 VAE)	Gaffney
Hines, J. R. (4 A&S)	St. Petersburg, Fla.	Huggins, C. B. (1 A-Agron)	Aynor
Hinnant, S. E. (1 VAE)*	Andrews	Huggins, E. B. (1 TM)	Lancaster
Hinson, D. J. (1 VAE)*	Loris	Huggins, E. M. (1 A-AH)	Dillon
Hinson, J. F. (4 ME)	Lynchburg	Huggins, F. H. (1 A-Agron)	Nichols
Hinson, T. W. (2 Ch En)	Lancaster	Huggins, J. F. (1 A-AH)*	Mullins
Hinson, W. M. (1 E-TE)*	Lyman	Huggins, K. L. (4 Agron)	Mullins
Hinton, C. R. (4 AH)	Ninety Six	Hughes, B. (1 TM)*	Enoree
Hipp, C. W. (2 ME)	Greenwood	Hughes, H. W. (3 Arch)	Martinez, Ga.
Hipp, F. A. (2 A-AH)	Saluda	Hughes, O. L. (1 A)	Cordova
Hipp, J. F. (2 Ar En)	Newberry	Hughes, R. L. (3 VAE)	Leesville
Hite, H. B. (G VAE)**	Batesburg	Hughes, W. T. (3 ME)	Aiken
Hodges, F. P. (2 VAE)	Conway	Huguley, B. L. (4 Ed)	McCormick
Hodges, H. M. (1 Ed)*	Ludowici, Ga.	Huiet, W. C. (4 VAE)	Johnston
Hodges, W. J. (3 CE)	Ware Shoals	Hull, R. O. (1 Ch En)	Lakewood, Ohio
Hodgin, B. E. (1 E-TE)	Columbia	Humphrey, S. W. (1 E-Ag En)	Bethune
Hoffmeyer, H. G. (1 E-EE)*	Florence	Humphries, H. C. (2 ME)	Sumter
Hoffstatter, T. D. (1 TM)*	Flanders, N. J.	Hunsuck, J. D. (1 E-EE)*	Spartanburg
Hogg, H. R. (3 Dairy)	Hillside, N. J.	Hunt, H. F. (1 A)	Greenville
Holcombe, F. J. (3 Dairy)	Summit, N. J.	Hunt, R. C. (3 TE)	Winnaboro
Holcombe, J. V. (1 E-TE)*	Greenville	Hunter, J. W. (4 AH)	Liberty
Holcombe, M. W. (3 EE)*	Central	Hunter, R. E. (1 Pre-Med)	Clemson
Holden, E. M. (2 VAE)*	Brevard, N. C.	Hunter, R. J. (1 A-Dairy)	Lancaster
Holladay, C. O. (4 Ed)	Ft. Deposit, Ala.	Hursey, R. E. (1 E-ME)	Savannah, Ga.
Holland, G. H. (4 AH)	Fountain Inn	Hurt, H. C. (2 TC)	Greenwood
Holland, J. C. (4 ME)	Mooresboro, N. C.	Hutchenson, D. R. (3 Ind Phys)	Wagener
Holland, R. L. (2 VAE)	McClellanville	Hutson, A. C. (3 Pre-Med)	Seabrook
Holliday, W. T. (4 TE)	Greer	Hutto, A. J. (1 E-EE)*	Orangeburg
Hollingsworth, R. T. (3 AH)	Cross Hill	Hutto, G. A. (3 TC)	Fort Mill
Holmes, C. F. (3 TE)	Greenville	Huxford, T. C. (3 Ag En)	Bonneau
Holmes, J. C. (3 VAE)	Conway	Iler, C. B. (3 TM)	Greenville
Holmes, W. G. (4 TE)	Danville, Va.	Inabinet, D. A. (1 A-AH)*	St. Matthews
Holweck, E. C. (1 E-CE)*	Silver Springs, Md.	Ingram, H. W. (2 ME)	Rockingham, N. C.
Hood, B. B. W. (1 Chem)	West Columbia	Ingram, J. H. (3 TM)	Greenwood
Hood, B. M. (1 A-AH)*	Matthews, N. C.	Ingram, R. (1 E-TE)*	McBee
Hood, C. D. (4 EE)	McCormick	Inman, G. A. (2 ME)	Columbia
Hood, J. J. (2 Pre-Vet)	Ridgeway	Ireland, C. P. (3 A)	Savannah, Ga.
Hood, L. (1 E-EE)*	McCormick	Isbell, J. O. (1 TM)*	Anderson
Hook, L. J. (2 ME)	Columbia	Isenhour, E. F. (3 CE)	Newton, N. C.
Hooton, W. A. (4 TM)	North Augusta	Ivey, W. D. (1 A-AH)	Hemingway
Hoover, E. A. (2 ME)	North Charleston	Ivie, M. K. (1 A&S)*	Manning
Hoover, H. L. (1 Pre-Med)*	Greenville	Jackson, J. C. (1 E-TE)	Bennettsville
Hoover, J. A. (3 ME)	North Charleston	Jackson, J. W. (3 TE)	Graniteville
Hope, F. H. (1 TC)*	North Augusta	Jackson, R. A. (3 TC)	Kingstree
Hope, R. M. (4 Poul)	Rock Hill	Jackson, S. H. (1 A-AH)	Manning
Hopkins, J. (4 Ind Phys)	Greenville	Jackson, S. L. (2 A-Dairy)—	Tabor City, N. C.
Hopkins, J. W. (1 TM)	McCormick	Jackson, T. H. (2 Ar En)	Clemson
Hopkins, M. H. (2 A-AH)	Hopkins	Jackson, W. S. (2 Pre-Vet)	Sumter
Hopper, J. E. (G VAE)**	Dillard, Ga.	Jacobs, C. B. (1 TM)*	Chesterfield
Horne, G. L. (2 VAE)	Jonesville	Jacobs, W. D. (G Chem)**	Naval Base
Horne, J. S. (1 Pre-Vet)	St. George	James, E. F. (2 EE)	Hingham, Mass.
Hornick, F. J. (4 VAE)	Fair Play	James, F. L. (1 A&S)	Lake North, Fla.
Horton, C. A. (1 Arch)	Brunswick, Ga.	James, R. E. (2 TM)	Wellfleet, Mass.
Houghton, H. A. (1 Ar En)*	Lakewood, Ohio	James, R. S. (1 E-ME)*	Statesville, N. C.
Howard, L. T. (3 TC)	Fort Mill	Jameson, J. D. (3 CE)	Greenville
Howard, R. I. (3 TM)	Greenwood	Jameson, J. M. (3 AH)	Liberty
Howard, R. S. (3 Pre-Med)	Albany, Ga.	Jameson, R. A. (2 A)	Liberty
Howard, W. C. (1 TC)*	Canton, N. C.	Jeffcoat, R. B. (1 E-EE)	Swansea
Howe, D. W. (3 VAE)	Hickory Grove	Jefferies, W. T. (1 TM)*	Burlington, N. C.
Howell, F. P. (1 E-CE)*	Greenville	Jenkins, L. M. (4 Ch En)	Kline
Howell, J. H. (4 TC)	Columbia	Jenkins, T. W. (1 TM)	Avondale, N. C.
Howey, E. D. (3 VAE)	Fort Mill	Jenkins, W. H. (2 A-Ag Ec)	Westminster
Howie, C. O. (2 TE)	Mooresville, N. C.	Johns, G. J. (4 EE)	Pittsburgh, Pa.
Howle, C. W. (3 Chem)	Florence	Johns, M. W. (1 TM)	Charleston
Hubbard, J. M. (1 E-CE)*	Big Rock, Ky.	Johnson, B. M. (1 E-EE)*	Spartanburg
		Johnson, C. M. (3 A&S)	Tampa, Fla.
		Johnson, D. L. (1 E-CE)*	Folly Beach
		Johnson, E. T. (2 ME)*	Florence

Name and Course	Address
Johnson, F. M. (4 AH).....	Efingham
Johnson, G. W. (1 TM).....	McColl
Johnson, H. P. (2 TM).....	Lancaster
Johnson, J. A. (1 E-TE)*.....	Columbia
Johnson, J. R. (2 Ar En).....	Anderson
Johnson, L. C. (2 Pre-Med).....	Charleston
Johnson, M. C. (2 A-Dairy).....	Blackville
Johnson, R. B. (4 AH).....	Sumter
Johnson, R. D. (3 CE).....	Charlotte, N. C.
Johnson, R. G. (1 E-CE)*.....	Nichols
Johnson, R. N. (3 CE).....	Marion
Johnson, W. E. (1 A).....	Aiken
Jolley, B. B. (2 TM).....	Lenoir City, Tenn.
Jolly, L. (2 EE).....	Union
Jones, A. L. (4 Ag En).....	Saluda
Jones, E. E. (3 ME).....	Savannah, Ga.
Jones, E. W. (2 VAE).....	Murrells Inlet
Jones, F. A. (1 E-ME)*.....	Warsaw, N. C.
Jones, J. O. (4 TM).....	Greenville
Jones, M. L. (3 AH).....	Lugoff
Jones, W. H. (1 TM).....	Woodruff
Jordan, C. B. (1 Pre-Vet)*.....	St. George
Jordan, E. D. (1 E-Ag En).....	Hartsville
Jordan, H. A. (4 Agron).....	Hartsville
Jordan, J. Earle (2 A-AH).....	Florence
Jordan, J. Edward (3 EE).....	Greer
Jordan, T. M. (1 A-Agron)*.....	Conway
Jowers, Q. A. (4 VAE).....	Williston
Joye, B. M. (1 TM).....	Belmont, N. C.
Joye, H. E. (1 Pre-For)*.....	Orangeburg
Judy, D. T. (2 Ag En).....	Orangeburg
Justus, H. A. (3 Pre-Vet).....	Hendersonville, N. C.
Kaiser, W. K. (1 A-Ag Ec).....	Lexington
Kalinowski, H. W. (1 A-Ag Ec).....	Irvington, N. J.
Kamine, A. (2 Ar En).....	Paterson, N. J.
Kane, M. A. (1 Ed).....	Milburn, N. J.
Kates, G. S. (4 TE).....	Anderson
Kay, D. O. (2 TM).....	Chesnee
Kay, L. B. (1 TM).....	Trenton, N. J.
Kay, R. J. (4 TE).....	Trenton, N. J.
Kea, H. M. (4 AH).....	Rocky Ford, Ga.
Keller, J. H. (1 Ar En).....	Gaffney
Kelly, J. W. (4 Arch).....	Central
Kelly, R. L. (3 VAE).....	Forest City, N. C.
Kelly, W. D. (4 Agron).....	Leesville
Kempson, O. B. (2 A-Agron).....	Kingstree
Kendra, F. S. (3 EE).....	Ford City, Pa.
Kendrick, N. S. (G Phys)*.....	Clemson
Kennedy, C. W. (4 TE).....	Greenville
Kennedy, F. D. (2 Ed).....	Midland, Pa.
Kennerly, W. L. (1 E-TE)*.....	Swansea
Kennette, T. F. (2 TM).....	Welford
Kenrick, W. E. (1 E-ME)*.....	North Augusta
Kerns, W. T. (1 E-ME)*.....	Spartanburg
Kerr, W. E. (4 AH).....	Pineville, N. C.
Kersey, R. N. (Unc)*.....	Clemson
Kessler, P. L. (3 CE).....	Lavonia, Ga.
Ketner, D. Q. (1 A)*.....	Murphy, N. C.
Key, J. T. (4 EE).....	Columbia
Key, W. A. (1 TM)*.....	Columbia
Kilby, F. D. (1 E-TE)*.....	Liberty
Kilgore, J. H. (1 E-Ag En)*.....	Simpsonville
Kilpatrick, J. C. (3 Ch En).....	Charleston
Kinard, E. M. (1 A-AH)*.....	Islandton
Kinard, G. P. (2 Ag En).....	Clemson
Kinard, H. J. (3 TE).....	Greepwood
Kinard, W. H. (2 ME).....	Ninety Six
King, C. H. (1 Ed).....	Townville
King, F. D. (2 A-Agron).....	Seneca
King, H. L. (4 CE).....	Clemson
King, J. A. (2 TE).....	Florence
King, J. LeGrand (1 TC).....	Ridgeville
King, J. Louis (3 Agron).....	Greenville
King, J. L. (1 E-CE)*.....	Clemson
King, L. C. (2 TM)*.....	West Columbia
King, L. J. (1 TM)*.....	Rock Hill
King, L. O. (4 Ar En).....	Anderson

Name and Course	Address
King, L. W. (1 TM)*.....	Cheraw
King, R. L. (4 TM).....	Abbeville
Kingsmore, H. D. (1 Ed).....	Pendleton
Kinlaw, J. A. (3 VAE).....	Lumberton, N. C.
Kinsey, C. (1 A&S)*.....	Atlanta, Ga.
Kirby, C. E. (1 E-ME)*.....	Sumter
Kirby, S. H. (1 Ar En).....	Columbia
Kirby, W. S. (1 A-AH).....	Cowpens
Kirkley, M. T. (1 A)*.....	Cheraw
Kirkpatrick, W. B. (3 A)*.....	Winnboro
Kirsch, I. (3 TE).....	Arverne, N. Y.
Kiser, J. R. (3 TM).....	Cherokee Falls
Kizer, H. C. (1 A)*.....	St. George
Klinck, D. C. (4 ME).....	North Augusta
Knight, A. M. (3 CE).....	Simpsonville
Knight, C. W. (3 AH).....	Honea Path
Knight, E. R. (4 Ag En).....	Cheraw
Knight, J. C. (4 EE).....	Summerville
Knight, R. H. (4 Ed).....	Rock Hill
Knight, W. D. (2 TE).....	Aiken
Knoebel, F. W. (3 TM), West Orange, N. J.	
Knox, R. G. (1 A)*.....	Union
Kohn, S. H. (4 Ind Ed).....	Charleston
Koon, J. A. (4 TM).....	Whitmire
Koon, R. B. (3 TC).....	Lancaster
Kozlow, A. (4 ME).....	Philadelphia, Pa.
Krause, J. G. (4 Dairy).....	Union Mills, N. C.
Kreutzer, F. W. (1 A-AH).....	Ford City, Pa.
Krissak, R. F. (3 Chem).....	Carteret, N. J.
Krueger, G. W. (1 Arch)*.....	Columbia
Kurgvel, J. (2 A).....	Tallinn, Estonia
Kytle, H. W. (2 TM).....	La France
Lambert, J. W. (4 TM).....	Woodruff
LaMontagne, J. L. (3 TM).....	Leesville
Lancaster, B. H. (1 Ch En)*.....	Spartanburg
Lancaster, C. A. (1 A-AH)*.....	Pelzer
Lancaster, C. E. (2 A-Agron).....	Tabor City, N. C.
Land, J. E. (3 Ed).....	Buffalo
Lander, A. M. (1 Ch En).....	Spartanburg
Lander, O. F. (G Ed)*.....	Williamston
Lander, W. T. (G Ed)*.....	Williamston
Landrum, J. B. (4 Arch)*.....	Columbia
Langford, P. G. (1 Ed)*.....	Charlotte, N. C.
Langley, H. W. (1 E-EE)*.....	Camden
Langley, I. L. (4 TM).....	Lynchburg, Va.
Lanham, W. D. (1 A-Dairy)*.....	Edgefield
Laraway, W. D. (1 A-AH), Dravesburg, Pa.	
LaRoche, J. J. (3 ME).....	Charleston
Latham, M. C. (1 Pre-Med)*.....	Augusta, Ga.
Latimer, R. C. (1 E-TE)*.....	Florence
Latto, T. S. (1 E-ME)*.....	Charleston
Lawhon, R. S. (2 ME).....	Hartsville
Lawrence, J. R. (3 Arch).....	Greenville
Lawrence, W. B. (2 Ind Ed).....	Greenville
Lawrimore, B. S. (2 A-Ag Ec).....	Conway
Lawrimore, C. P. (1 VAE).....	Hemingway
Lawrimore, I. B. (4 Agron).....	Hemingway
Lawrimore, W. J. (1 E-Ag En)*.....	Hemingway
Lawson, J. P. (1 Arch).....	Sumter
Lawson, L. C. (3 Agron).....	Darlington
Lawson, W. C. (1 E-CE)*.....	Buffalo
Lay, C. W. (4 Ag En).....	West Union
Layton, P. (1 A&S)*.....	Wilmington, Del.
Leach, J. D. (3 Ar En).....	Blacksburg
Leak, J. P. (1 Cr En)*.....	Rockingham, N. C.
Leaphart, J. L. (1 E-TE)*.....	North
Lee, J. (2 A-Dairy).....	Landrum
Lee, O. C. (2 Ag En).....	Alcolu
Lee, R. H. (1 E-TE)*.....	Anderson
Lee, T. B. (1 TM).....	Gaffney
Lefort, H. G. (4 Cr En).....	Upper Marlboro, Md.
LeGette, M. A. (4 Ind Phys), Westminster	
Lehman, E. H. (3 TC).....	Montreal, Canada
Lehman, J. H. (3 VAE), Montreal, Canada	
Leitner, J. A. (1 A-AH).....	Irmo
Leitner, W. D. (1 Ed)*.....	Winnboro

Name and Course	Address	Name and Course	Address
Leland, A. W. (3 Dairy) —	Wadmalaw Island	McCachern, J. G. (2 EE)	Concord, N. C.
Lemmon, S. L. (1 E-ME)	Conway	McCall, H. L. (1 E-ME)	Marion, N. C.
Lenk, G. A. (2 Arch)	Pittsburgh, Pa.	McCall, P. L. (3 Agron)	Hartsville
Leonard, R. L. (1 A&S)	Columbia	McCall, W. R. (3 Arch)	Hartsville
LeRoy, P. S. (2 A-AH)	Troy	McCarley, M. L. (1 TM)	Columbia
Lesslie, W. P. (4 Pre-Med)	Rock Hill	McCarter, J. T. (2 ME)	Taylors
Lewtwyler, J. C. (1 Ch En)	Savannah, Ga.	McCarter, M. W. (1 A-Agron)	Clover
Lever, R. L. (1 A-AH)	Fairfield, Conn.	McCarty, T. H. (1 A)	Princeton, N. J.
Lewis, B. W. (1 E-Ag En)	Newberry	McCaskill, A. L. (2 A-Dairy)	Bishopville
Lewis, H. W. (3 Dairy)	Yonkers, N. Y.	McCaskill, M. J. (4 Agron)	Bethune
Lewis, R. M. (1 A)	Myrtle Beach	McCauley, W. H. (2 TM)	Greenville
Lewis, T. B. (1 E-ME)	Conway	McClure, C. M. (2 Cr En)	Anderson
Leysath, H. H. (4 Agron)	North	McClure, J. W. (1 E-ME)	Anderson
Leysath, J. C. (2 EE)	North	McClure, R. E. (1 A&S)	Anderson
Liakos, J. T. (2 TM)	Florence	McClure, W. F. (1 E-Ag En)	Chesnee
Lidke, D. E. (1 A)	Maplewood, N. J.	McCombs, C. W. (3 TM)	Easley
Lifrage, H. O. (1 TM)	Salters	McConnell, H. E. (4 EE)	Piedmont
Lightsey, H. M. (4 AH)	Columbia	McConnell, J. T. (3 Ind Ed)	Abbeville
Ligon, W. E. (2 A)	Easley	McCormac, E. A. (2 EE)	Dillon
Lindell, L. (2 EE)	Brooklyn, N. Y.	McCormack, E. L. (1 E-ME)	Dillon
Linder, H. J. (1 E-EE)	Ellenton	McCormack, R. E. (1 E-CE)	Bellmore, N. Y.
Lindler, B. J. (2 VAE)	Saluda	McCormick, L. S. (4 EE)	Orangeburg
Lindler, F. M. (3 ME)	Startex	McCown, C. D. (2 ME)	Effingham
Lindsay, J. (2 Pre-Med)	Clemson	McCoy, H. E. (2 CE)	Bishopville
Lindsey, G. E. (1 E-ME)	Seneca	McCracken, W. R. (4 VAE)	Waynesville, N. C.
Lindstedt, G. W. (3 A&S)	Holly Hill	McCrary, R. K. (4 ME)	Greenville
Link, J. B. (4 CE)	McCormick	McCrary, W. H. (1 Ind Ed)	Greenville
Liston, J. W. (4 A&S)	Smoaks	McCravy, J. R. (2 Arch)	Easley
Little, J. M. (2 A-Agron)	Kelton	McCreight, C. R. (4 Arch)	Columbia
Little, W. E. (1 E-ME)	Myrtle Beach	McCulloch, J. I. (4 TM)	Caffney
Littlefield, D. E. (1 TM)	Enoree	McCullough, T. A. (2 TM)	Hendersonville, N. C.
Littlejohn, J. N. (4 Hort)	Sumter	McDaniel, R. C. (1 A)	Leeds
Littlejohn, L. H. (2 CE)	Spartanburg	McDowell, E. D. (3 AH)	Elliott
Littlejohn, L. S. (4 AH)	Greenville	McDowell, J. H. (1 E-ME)	Sumter
Littleton, B. H. (1 Ch En)	Walhalla	McDowell, L. A. (3 VAE)	Inman
Livingston, A. C. (2 TM)	Greenwood	McElmurray, E. W. (1 TM), North Augusta	
Livingston, J. P. (3 Agron)	Springfield	McElmurray, G. A. (1 Pre-Vet)	Augusta, Ga.
Livingston, O. W. (4 TM)	Columbia	McElmurray, J. G. (2 Ag En), Augusta, Ga.	
Livingston, T. G. (1 TM)	Neeses	McElveen, M. F. (4 VAE)	Florence
Lockaby, R. H. (G Ed) —	East Flat Rock, N. C.	McGaha, G. V. (2 ME)	Spartanburg
Locke, D. F. (4 ME)	Spartanburg	McGee, E. T. (4 Ag En)	Anderson
Long, B. H. (1 E-ME)	Estill	McGee, J. G. (2 A-Ag Ec)	Hartsville
Long, C. W. (4 TE)	Conway	McGill, A. C. (3 ME)	Charlotte, N. C.
Long, F. B. (1 A-Dairy)	Lykesland	McGill, J. B. (3 Ag En)	Anderson
Long, J. E. (1 A-Dairy)	Lykesland	McGill, J. C. (1 E-ME)	Charlotte, N. C.
Long, J. P. (1 A&S)	Greenwood	McGinty, R. A. (PG Arch)	Clemson
Long, J. S. (2 TM)	Piedmont	McGlohon, N. E. (2 VAE)	Laurens
Long, N. V. (1 E-ME)	Ossining, N. Y.	McGraw, J. F. (2 Ed) —	Hendersonville, N. C.
Long, R. H. (2 A-AH)	Union	McGregor, D. D. (4 CE)	Chesterfield
Long, R. O. (4 CE)	Walhalla	McGregor, M. (1 TM)	Anderson
Lookabill, C. R. (1 E-EE)	Asheville, N. C.	McGugan, R. V. (1 Ed)	Cordele, Ga.
Lorelle, R. J. (1 E-EE)	Brooklyn, N. Y.	McGuire, P. D. (1 TC)	Rock Hill
Lorelle, R. R. (4 AH)	Brooklyn, N. Y.	McIntyre, J. W. (2 EE) —	Rockingham, N. C.
Lorick, D. A. (1 E-ME)	Lexington	McKagen, W. C. (1 E-ME)	Charleston
Love, W. W. (1 TM)	Rock Hill	McKay, R. (4 Ed)	Washington, D. C.
Lovett, B. S. (1 E-CE)	Cuthbert, Ga.	McKee, G. A. (4 CE)	Mooreville, N. C.
Lowdermilk, W. R. (1 Ind Phys) —	Greenville	McKee, R. E. (1 E-TE)	Ware Shoals
Lowery, E. K. (1 E-Ag En)	Pageland	McKie, R. H. (1 E-ME)	Edgefield
Lowery, R. J. (1 Ch En)	Lancaster	McKinnell, R. E. (4 ME)	Florence
Lowery, R. M. (3 Arch)	Greenville	McKinney, S. J. (4 ME)	Greenville
Lowry, C. (1 E-Ag En)	Pembroke, N. C.	McKinnon, J. T. (1 Pre-Med)	Timmons
Loy, V. A. (3 Ent)	Florence	McKittrick, C. W. (1 TM)	Easley
Lucas, C. C. (3 VAE)	Gaston	McLaughlin, J. E. (1 A-AH)	St. Matthews
Lucas, C. D. (Unc)	Matthews, N. C.	McLaughlin, F. E. (1 A-AH)	Florence
Lucas, H. G. (1 A-AH)	Ridgeland	McLaurin, C. D. (2 VAE)	Blenheim
Luetjen, P. G. (1 E-CE)	Queens Village, N. Y.	McLaurin, D. K. (1 E-CE)	Bethune
Lunn, J. E. (4 Agron)	Florence	McLean, J. N. (4 A&S)	Greenville
Lunsford, J. M. (1 TM)	Spartanburg	McLellan, H. C. (1 A-Agron)	Dillon
Lusk, L. J. (3 TM)	Greenville	McLendon, C. D. (1 E-CE)	Bishopville
Lyda, H. R. (3 VAE)	Edneyville, N. C.	McLendon, C. R. (4 A&S)	Columbus, Ga.
Lyons, G. E. (1 Ed)	Yemassee	McLeod, A. C. (3 A)	McBee
McAlhany, R. E. (1 E-CE)	Charleston	McLeod, J. F. (4 AH)	Chesterfield
McAlister, J. (1 A-AH)	Easley		
McCabe, F. L. (1 Ind Ed)	Ridgeland		

Name and Course	Address	Name and Course	Address
McLeod, R. (1 A-AH)*	Timmonsville	May, R. (1 E-TE)*	Greenville
McLeod, R. C. (1 E-TE)*	Paxville	Mays, W. M. (2 Ed)	Walhalla
McMahan, R. A. (2 Arch)	Columbia	Meador, L. N. (1 Ind Ed)	Orangeburg
McMeekin, T. C. (4 Dairy)	Glenside, Pa.	Medford, D. E. (1 Ed)	Walhalla
McMillan, J. P. (3 AH)	Mullins	Meech, F. R. (2 VAE)	Columbia
McMillan, L. L. (4 Arch)*	Spartanburg	Meetze, B. A. (1 E-CE)*	Columbia
McMillan, M. (3 Arch)	Greenville	Meiburg, C. O. (3 A&S)	Clemson
McMillan, M. K. (1 A-AH)	Mullins	Meillard, W. L. (1 A-AH)*	Charleston
McMillan, S. (2 ME)	Mullins	Melnyk, J. (3 TM)	Brooklyn, N. Y.
McMillan, T. M. (1 VAE)*	Bamberg	Menendez, R. I. (4 Ind Ed)	Charleston
McMillan, W. J. (4 Agron)	Allendale	Meredith, B. R. (1 E-TE)*	Fair Play
McNair, J. E. (4 CE)	Gastonia, N. C.	Merians, S. (4 TM)	Oxford, N. J.
McNair, S. M. (3 Dairy)	Hartsville	Merritt, C. W. (2 EE)	Piedmont
McNinch, M. O. (1 E-ME)*	Columbia	Messer, J. T. (1 TM)	Inman
McPherson, W. D. (2 CE)	Waterloo	Metz, W. L. (1 Ar En)*	Lexington
McQueen, D. R. (1 A-AH)*	Mullins	Middleton, R. E. (1 Ch En)—	Clearwater, Fla.
McTeer, H. C. (3 TM)	Columbia	Middleton, W. H. (1 Ed)	Chesterfield
McWhorter, C. F. (3 ME)	Liberty	Mihlstin, M. (1 TM)	Brooklyn, N. Y.
Mabry, B. L. (1 E-ME)	Union	Mikell, J. J. (1 TM)*	Greenville
Mabry, C. M. (1 TM)	Fort Mill	Milam, C. L. (1 A-AH)*	Sandy Springs
Mabry, C. R. (3 TE)	Greenville	Milam, J. H. (1 E-EE)	Anderson
Mabry, R. S. (1 TM)*	Greenville	Milford, T. J. (1 E-EE)	Ware Shoals
MacMillan, D. N. (1 A-AH)*	Edgewater, N. J.	Miller, B. I. (3 TM)	Honea Path
Madden, E. T. (1 E-TE)*	Clearwater	Miller, E. E. (1 Ed)	Jefferson
Madden, G. T. (1 E-TE)*	Greenville	Miller, F. D. (4 TM)	Newberry
Madden, I. E. (2 TM)	Greenwood	Miller, H. L. (2 A-AH)	Campobello
Madden, J. M. (1 E-ME)	Clemson	Miller, R. L. (1 Chem)	Clearwater
Madden, W. L. (1 E-ME)*	Laurens	Miller, R. W. (2 TM)	North Augusta
Madlinger, G. J. (2 Arch), Memphis, Tenn.		Miller, S. J. (3 A&S)	Belton
Magill, H. F. (4 TE)	Concord, N. C.	Milling, D. L. (3 ME)	Haddonfield, N. J.
Mahaffey, C. R. (1 TM)	Fort Mill	Milling, R. N. (1 A&S)	Columbia
Mahony, W. M. (G VAE)*	Honea Path	Mills, C. F. (1 Arch)*	Pomona, N. Y.
Major, C. S. (1 Arch)*	Anderson	Mills, H. B. (2 ME)*	Hopewell
Major, J. E. (3 Pre-Med)	Pahokee, Fla.	Mills, H. H. (1 A-AH)	Ridgeland
Major, W. R. (2 Arch)	Williamston	Millsap, J. R. (2 VAE)	Gable
Maloney, C. S. (1 Pre-Vet)	Adel, Ga.	Mims, J. A. (4 ME)	Florence
Malphrus, J. L. (1 E-CE)	Ridgeland	Minors, J. C. (1 TM)*	Great Falls
Malphrus, T. W. (4 Ar En)	Ridgeland	Mintz, T. M. (2 VAE)	Blacksburg
Mangrum, W. C. (3 A)	Franklin, Tenn.	Mishoe, T. N. (1 A-AH)	Greeleyville
Mangum, D. (4 AH)	Spartanburg	Mitchell, A. D. (2 Ch En)	Laurens
Manning, C. M. (1 VAE), Maplesville, Ala.		Mitchell, A. T. (1 TM)*	Greenville
Manos, J. P. (3 Ed)	Brooklyn, N. Y.	Mitchell, E. B. (1 E-ME)*	Folly Beach
Marcoux, B. P. (1 A-AH)*	Verobeach, Fla.	Mitchell, J. T. (1 TM)	Caroleen, N. C.
Maret, J. D. (3 VAE)	Tamassee	Mitchell, R. D. (1 Arch)*	Greenville
Marlar, J. W. (1 E-EE)	Fountain Inn	Mitchell, R. T. (2 TE)	Greenville
Marlowe, W. H. (4 Agron)	McClellanville	Mitchell, W. D. (1 E-EE)*	Spartanburg
Marshall, J. C. (1 TM)	Heath Springs	Mitchell, W. H. (3 Ag En)	Mt. Pleasant
Marthers, W. C. (4 AH)	Winnboro	Mixon, J. D. (1 Pre-Vet)*	Hampton
Martin, A. N. (3 ME)—	Winston-Salem, N. C.	Mixon, J. R. (1 TM)*	Westminster
Martin, C. F. (2 A)	Elloree	Mixon, L. J. (3 Ind Ed)	Dundee, Fla.
Martin, H. R. (1 TM)*	Savannah, Ga.	Mixon, R. F. (2 A&S)	Clemson
Martin, J. A. (3 TM)	Rock Hill	Mize, L. (4 EE)	Walhalla
Martin, J. D. (1 E-Ag En)*	Lyman	Mobley, B. L. (1 TM)	Kershaw
Martin, M. A. (1 Ch En)*	Sumter	Mobley, G. A. (4 TE)	Simpsonville
Martin, P. V. (Unc)*	Union	Molony, W. I. (2 A-Agron)*	Sullivan Island
Martin, T. O. (1 VAE)*	Aynor	Monroe, B. S. (1 TM)*	Glen Rock, N. J.
Martin, T. R. (1 A-AH)	Anderson	Monroe, W. E. (4 A&S)	Clemson
Martin, W. H. (3 ME)	Williston	Monteith, E. W. (1 E-EE)	North Augusta
Martin, W. S. (1 E-ME)*	Winnboro	Montgomery, I. P. (1 A&S)*	Greenville
Martin, W. T. (4 TM)	Lawndale, N. C.	Montgomery, R. M. (4 TM)—	Asheville, N. C.
Mason, C. L. (4 Ag En)	Madison, Ga.	Monty, P. S. (3 TM)	Charlotte, N. C.
Mason, H. D. (4 AH)	Westminster	Moody, B. D. (3 Agron)	Dillon
Mason, I. E. (1 Ed)*	Darlington	Moody, R. J. (4 ME)	Greenville
Mason, R. W. (3 TM)	Rock Hill	Mooney, C. W. (4 Ed)	Starke, Fla.
Massey, C. R. (3 TM)	Walhalla	Mooneyhan, J. L. (4 TM)	West Columbia
Massey, D. R. (1 TM)	Fort Mill	Mooneyhan, R. T. (1 TM)*	West Columbia
Masters, W. H. (3 TM)	Easley	Moore, D. A. (1 E-ME)*	Lake City
Mathis, E. H. (3 Poul)	Columbia	Moore, E. M. (2 TM)	Pendleton
Mathews, D. M. (4 ME)	Charlotte, N. C.	Moore, G. H. (1 E-ME)	Chester
Mathews, G. U. (2 Ag En)	Hemingway	Moore, J. H. (2 ME)	Toccoa, Ga.
Mathews, J. (1 TM)*	Lake City	Moore, Jack L. (2 A-Dairy)	Calhoun, Ga.
Mathews, S. J. (3 Agron)	Scranton	Moore, John L. (2 TM)	Cooleemee, N. C.
Mathews, T. E. (3 A&S), Charlotte, N. C.		Moore, J. P. (4 ME)	Augusta, Ga.
Mattison, J. F. (1 TC)*	Belton	Moore, J. T. (3 EE)	Union
Mattos, T. M. (1 TM)*	Greenville	Moore, J. William (4 ME), Columbus, Ga.	
Maxwell, T. L. (2 A-Agron)	Hartsville		

Name and Course	Address	Name and Course	Address
Moore, J. Wylie (1 E-TE).....	Chester	Neister, A. F. (4 TM).....	Spartanburg
Moore, K. K. (1 TM)°.....	Newberry	Nelson, C. H. (2 ME)°°.....	Westminster
Moore, M. S. (3 Hort).....	Charleston	Nelson, K. E. (3 Cr En).....	Greenville
Moore, P. N. (4 TM).....	Sumter	Nelson, R. B. (G Phys)°°°.....	Lyons, Ga.
Moore, R. E. (4 AH).....	Duncan	Nettles, B. L. (3 EE).....	Charleston
Moore, W. C. (2 A&S).....	Greenwood	Nettles, W. C. (1 E-ME).....	Clemson
Moore, William F., Jr. (2 TC).....	Taylors	Neville, L. F. (2 Ar En).....	Newberry
Moore, William F., Sr. (G Ed)°°.....	Taylors	New, F. H. M. (2 EE).....	Glendale
Moore, W. G. (3 Ag En).....	Olanta	Newcomer, G. C. (2 EE).....	Nashville, Tenn.
Moore, W. H. (3 TM).....	Charlotte, N. C.	Newell, H. W. (1 VAE)°.....	Hemingway
Moorer, V. D. (2 Ar En)°—	Washington, D. C.	Newman, G. W. (3 TM).....	Columbia
Moorhead, D. T. (2 TM).....	Pendleton	Newman, W. H. (1 E-EE)°.....	Charleston
Morgan, G. R. (2 TM).....	Greenville	Newsome, W. E. (2 Pre-Med)°—	Sandersville, Ga.
Morgan, J. H. (G Ed)°°.....	Spencer, N. C.	Newton, A. F. (4 Ind Ed).....	Clemson
Morgan, L. R. (4 Ent).....	Central	Newton, E. (4 EE).....	Chester
Morgan, M. D. (1 TM)°.....	Gaffney	Nichols, C. M. (4 CE).....	Leesville
Morgan, M. L. (3 Agron).....	Oakboro, N. C.	Nichols, C. S. (4 TM).....	Newberry
Morgan, T. W. (4 EE).....	Clemson	Nicholson, B. E. (1 A&S)°.....	Greenville
Morrah, J. E. (3 ME).....	Greensboro	Nicholson, E. G. (2 EE).....	Anderson
Morris, D. (1 E-CE)°.....	Shelby, N. C.	Nickles, B. G. (1 TM)°.....	Seneca
Morris, F. O. (3 CE)°.....	Abilene, Tex.	Nickles, M. B. (1 Pre-Med)°.....	Laurens
Morris, H. C. (2 A-AH).....	Olar	Nickles, P. R. (2 EE).....	Hodges
Morris, N. D. (1 Arch).....	Swainsboro, Ga.	Nickles, R. B. (3 AH).....	Hodges
Morris, W. L. (2 A&S).....	Olanta	Nimmer, F. A. (2 ME).....	Ridgeland
Morrison, E. C. (2 Ch En).....	Charleston	Nixon, J. B. (2 Ind Ed).....	Conway
Morrison, J. A. (3 CE).....	Winchester, Mass.	Noel, E. W. (3 A&S).....	Saluda
Morrison, J. R. (1 E-EE).....	Draper, N. C.	Nolley, E. F. (2 VAE).....	Mocksville, N. C.
Morrison, W. G. (3 EE).....	Anderson	Nolte, A. T. (3 EE).....	Charleston
Morrow, B. R. (4 TM).....	Spartanburg	Nolte, H. W. (1 E-EE)°.....	Charleston
Morrow, W. G. (2 Ch En)°.....	Shelby, N. C.	Norman, A. W. (4 A&S).....	Clemson
Morton, E. F. (3 CE).....	Great Falls	Norris, C. S. (3 EE).....	Naval Base
Moseley, B. P. (3 EE).....	Abbeville	Norris, G. A. (2 VAE)°.....	Conway
Moseley, J. K. (1 E-CE).....	Greenville	Norris, J. M. (4 TM).....	Catechee
Moseley, N. F. (2 EE).....	Winter Park, Fla.	North, R. M. (2 A).....	Stockton, Ga.
Moseley, R. L. (1 E-CE)°.....	Greenville	Norton, L. N. (2 VAE).....	Nichols
Moss, A. A. (G CE)°°.....	Greenville	Norton, P. F. (4 TM).....	McColl
Motts, H. D. (1 Ed)°.....	Pacolet	Nott, R. H. (1 E-CE)°.....	Charlotte, N. C.
Moxley, E. F. (2 TM).....	Dublin, Ga.	Nottingham, T. J. (1 A&S)°.....	Arlington, Va.
Moyd, J. T. (3 Ch En).....	Ninety Six	Nunnery, H. F. (3 Ind Ed).....	Chester
Moyd, P. K. (G Chem)°°.....	Ninety Six	Nunnery, S. A. (3 Ag En).....	Edgmoor
Muckenfuss, A. A. (3 CE).....	Summerville	Oates, J. E. (4 A&S).....	Easley
Muckenfuss, A. E. (2 A-Dairy).....	Meggett	O'Brien, R. E. (4 Agron).....	Eutawville
Muehsan, N. E. (2 TM).....	New York, N. Y.	O'Brien, W. H. (2 Ag En).....	Norway
Mullinax, W. B. (3 TE).....	Anderson	O'Byrne, W. (3 EE).....	Easley
Mullinnix, C. A. (3 TM).....	Greenville	O'Cain, J. W. (2 VAE).....	Orangeburg
Mullis, G. G. (1 E-TE)°.....	Spartanburg	O'Dell, G. D. (3 Dairy).....	Easley
Mullwee, C. L. (2 A-Dairy).....	Spartanburg	O'Dell, W. O. (1 TM)°.....	Newberry
Munch, S. A. (1 E-ME)°—	Midway Park, N. C.	Odum, C. T. (3 VAE).....	Taylors
Mundy, C. E. (3 TM).....	Ware Shoals	Odum, L. A. (2 A).....	Daytona Beach, Fla.
Mundy, H. E. (3 TM).....	Abbeville	Ogus, G. J. (1 E-ME)°.....	Brooklyn, N. Y.
Mungo, R. V. (1 E-Ag En)°.....	Pageland	Ollivett, D. C. (3 CE).....	Anderson
Munn, N. R. (G AH).....	Awendaw	Olson, J. C. (3 AH).....	Decatur, Ga.
Murdock, H. S. (3 Ag En).....	Belton	O'Neal, J. S. (3 AH).....	Blenheim
Murphree, L. E. (1 A-AH).....	Tamassee	Opt, P. J. (1 TM)°.....	Belton
Murphree, S. B. (2 CE).....	Troy, Ala.	O'Quinn, C. J. (1 E-Ag En)°.....	Ridgeland
Murphy, C. L. (2 Ind Ed).....	Anderson	Ordway, C. A. (1 E-EE)°—	Tonawanda, N. Y.
Murphy, H. G. (3 ME).....	Cambridge, Md.	Ormand, J. M. (4 TM).....	Thomaston, Ga.
Murphy, J. A. (1 E-TE)°.....	Starr	Orr, R. J. (1 E)°.....	Anderson
Murray, E. S. (2 TM).....	Cleveland	Osborne, P. R. (4 TM).....	Kingsport, Tenn.
Murray, J. A. (2 TE).....	New York, N. Y.	O'shields, J. L. (2 TE).....	Calhoun Falls
Muzzey, W. M. (1 E-CE)°—	Philadelphia, Pa.	O'Shields, R. L. (3 Agron).....	Union
Myers, N. A. (2 VAE).....	Olanta	O'Shields, W. C. (2 VAE).....	Startex
Myers, R. B. (2 Pre-Med).....	Moncks Corner	Oswald, W. B. (1 A-AH)°.....	Allendale
Mvers, R. E. (2 EE).....	East Haven, Conn.	Othersen, C. B. (3 ME).....	Charleston
Mvrick, W. E. (1 A-AH)°.....	Ulmers	Ott, A. L. (1 E-EE)°.....	Swansea
Nalley, R. F. (G VAE)°°.....	Seneca	Ott, H. F. (1 Ind Ed).....	Swansea
Nations, K. K. (2 Ind Ed).....	Central	Outen, M. D. (1 Arch)°—	Ft. Leonard Wood, Mo.
Neal, J. N. (1 TM)°.....	Fort Mill	Outen, R. W. (1 A-AH)°.....	Pageland
Neal, J. R. (G)°°.....	Travelers Rest	Outz, C. H. (1 A)°.....	Fair Play
Neel, H. J. (4 Ed).....	Owensboro, Ky.	Ouzts, C. A. (1 A-Ag Ec).....	Ninety Six
Neely, A. M. (2 EE).....	Rock Hill	Overton, L. M. (1 Pre-Fer)°.....	Andrews
Neely, C. E. (3 EE).....	Charlotte, N. C.	Owen, H. L. (3 ME).....	Greenville
Neely, R. L. (1 TC)°.....	Rock Hill	Owens, A. D. (2 A).....	Greer
Neighbors, J. D. (4 Hort).....	Beaufort	Owens, E. G. (2 Chem).....	Greenwood
Neighbour, O. J. (3 ME).....	Spartanburg	Owens, L. F. (4 A&S).....	Sumter
Neil, A. G. (1 A)°.....	Waterloo	Owens, W. F. (1 A).....	Conway

Name and Course	Address	Name and Course	Address
Owings, Z. H. (3 ME)	Greenwood	Pitts, P. Z. (4 CE)	Savannah, Ga.
Ozburn, T. F. (1 E-ME)	Naval Base	Platt, H. O. (2 Pre-Med)	Aiken
Padgett, H. N. (2 A-AH)	Saluda	Player, M. M. (1 Ed)	Williston
Padgett, D. D. (1 A&S)*	Saluda	Player, S. J. (2 Arch)	Columbia
Pag, D. K. (1 A-AH)	Mullins	Plesur, J. (2 A&S)	Buffalo, N. Y.
Painter, R. H. (1 E-EE)	Greenville	Plowden, R. B. (2 TE)	Sumter
Palmer, C. K. (2 VAE)	Seneca	Plunkett, R. W. (4 TM)	Clemson
Pardue, R. E. (1 E-CE)*	Graniteville	Plyler, C. D. (G Ind Ed)**	Lancaster
Paredes, R. (1 A-AH)	Irwin, Pa.	Plyler, J. N. (3 Ind Ed)	Lancaster
Parham, J. S. W. (2 A-AH)	Sumter	Plyler, W. G. (1 E)	Great Falls
Paris, W. W. (4 Chem)	Keyser, W. Va.	Poe, H. V. (Unc)**	Clemson
Park, R. Y. (3 Ag En)	Winnsboro	Poe, N. C. (2 ME)	Greenville
Parker, A. J. (1 Arch)*	Spartanburg	Polizos, P. J. (2 Ar En)	Spartanburg
Parker, B. F. (1 Pre-Med)*	Marion, N. C.	Polk, D. E. (1 E-CE)	Varnville
Parker, C. D. (2 ME)	Asheville, N. C.	Polson, J. B. (2 Cr En)	Hartsville
Parker, C. J. (3 A&S)	Lancaster	Ponds, J. J. (1 Ar En)*	Ashton
Parker, H. L. (2 A&S)	Spartanburg	Poole, W. M. (4 TM)	Travelers Rest
Parker, J. W. (4 Cr En)**	Savannah, Ga.	Poore, T. C. (1 E-ME)	Williamston
Parker, L. C. (2 A)	Edgefield	Poovey, C. E. (1 E-CE)*	Hickory, N. C.
Parker, R. M. (1 E-ME)*	Lancaster	Pope, J. M. (3 TM)	Naval Base
Parker, R. P. (3 Ag En)	Woodcliff, Ga.	Porcher, G. L. (1 Ar En)	Charleston
Parkins, J. A. (4 TM)	Greenville	Porcher, P. G. (2 ME)	Mt. Pleasant
Parkins, J. H. (1 Pre-Med)*	Greenville	Porter, J. A. (3 Chem)	Williston
Parks, W. P. (1 Pre-Vet)	McCormick	Porter, R. E. (1 Arch)*	Fort Mill
Parler, J. L. (1 E-EE)*	Holly Hill	Poston, M. L. (4 Agron)	Hyman
Parnell, H. T. (1 VAE)*	Lamar	Poston, R. E. (2 A-Agron)	Hyman
Parnell, J. G. (1 TM)	West Columbia	Poston, W. C. (4 VAE)	Hyman
Parnell, J. M. (3 AH)	Timmons ville	Potts, R. O. (1 TM)*	Fort Mill
Parris, R. M. (4 EE)	Calhoun	Poupalos, J. J. (3 TM)	Charleston
Parrish, F. J. (1 Ch En)*	Dillon	Powell, J. H. (1 E-ME)*	Waterloo
Parrish, W. B. (2 Arch)	Pacolet	Powell, J. W. (2 A-AH)	Johnsonville
Parsons, N. H. (4 Pre-Med)	Georgetown	Powers, G. T. (1 TM)*	Columbia
Pate, J. D. (1 E-CE)*	Winnsboro	Powers, R. W. (3 CE)	Pamplico
Pate, M. E. (3 Arch)	Winnsboro	Preacher, R. B. (3 AH)	Ridgeland
Pate, O. H. (2 Ar En)	Bishopville	Preacher, W. C. (4 AH)	Ridgeland
Pate, W. L. (1 E-Ag En)*	Lamar	Preshler, J. R. (1 A&S)	Anderson
Patrick, E. M. (2 TM)	Pacolet Mills	Pressley, J. B. (1 A-AH)*	Lowrys
Patrick, J. D. (1 E-Ag En)*	Clemson	Price, A. L. (3 AH)	Spartanburg
Patrick, W. R. (1 TM)	Charleston	Price, J. H. (1 Ar En)*	Florence
Patterson, H. L. (2 EE)	Fort Mill	Price, M. E. (4 TE)	Ninety Six
Patterson, J. R. (2 VAE)	Campobello	Price, Ralph B. (1 E-TE)	West Columbia
Patterson, R. W. (1 E-ME)*	Clemson	Price, Ray B. (1 E-CE)*	Burton
Patton, B. C. (4 AH)	Fountain Inn	Pridmore, J. W. (1 A-AH)	Gaffney
Patton, J. R. (3 Ag En)	Brevard, N. C.	Priester, A. U. (1 TM)*	LaGrange, Ga.
Patton, R. E. (4 TM)	Fountain Inn	Priester, L. E. (1 Pre-Med)*	Georgetown
Patton, R. H. (3 VAE)	Gray Court	Priester, W. L. (1 VAE)*	Bamberg
Patton, W. R. (1 A&S)*	Charleston	Prince, G. E. (2 Ind Phys)	Columbia
Payne, L. A. (2 Ind Ed)	Sandersville, Ga.	Prince, R. M. (Unc)**	Lynchburg
Pearce, D. L. (4 AH)	New Brunswick, N. J.	Prince, W. R. (3 AH)	Iva
Pearman, S. N. (1 Cr En)	Columbia	Proffitt, J. C. (1 E-ME)*	Greenville
Pearson, D. H. (1 E-EE)*	Orangeburg	Pruitt, L. G. (4 TM)	Anderson
Pearson, H. H. (2 TE)	Greenville	Pruitt, L. H. (4 TM)**	Anderson
Peck, P. E. (1 Ar En)*	Memphis, Tenn.	Pruitt, M. A. (1 TC)*	Ware Shoals
Peeples, A. (1 Pre-Med)*	Bluffton	Pruitt, R. R. (1 Ar En)*	Anderson
Pendley, G. C. (4 TM)	Calhoun, Ga.	Puette, C. A. (G VAE)**	Roebuck
Pennington, C. W. (G VAE)**	Starr	Pursley, W. R. (2 Arch)	Filbert
Peppers, C. H. (PG TC)	Taylors	Quarles, C. H. (1 A-AH)*	Abbeville
Perry, S. L. (G Ed)**	Clemson	Quarles, J. D. (3 Pre-Med)	Abbeville
Peszka, S. F. (3 EE)	Conshohocken, Pa.	Quattlebaum, R. S. (1 E-Ag En)*	Chester
Peterman, M. (4 EE)	Macon, Ga.	Queen, R. J. (2 Ar En)	Canton, N. C.
Peters, C. D. (2 CE)	North	Quinn, J. M. (2 TE)	Clover
Peterson, D. E. (3 CE)	Anderson	Quinton, F. D. (1 E-ME)*	Rock Hill
Pettigrew, R. N. (4 Arch)	Tampa, Fla.	Radcliff, C. F. (2 A-Poul)	Norfolk, Va.
Pettis, W. J. (1 TM)*	Jacksonville, Fla.	Radcliff, W. A. (2 A-Poul)	Norfolk, Va.
Pettus, H. E. (1 TM)	Fort Mill	Ragsdale, L. M. (3 CE)	Anderson
Phillips, C. L. (1 VAE)*	Lamar	Raines, H. M. (3 AH)	Mountain Rest
Phillips, J. R. (1 VAE)	Pageland	Randall, J. B. (3 EE)	Ballston Lake, N. Y.
Phillips, J. W. (2 TE)	Timmons ville	Randall, N. A. (2 Ind Ed)	Decatur, Ga.
Phillips, R. D. (2 Pre-Med)	Kershaw	Randall, R. H. (1 VAE)*	Ridge Spring
Phipps, F. V. (3 ME)	Columbia	Rankin, W. E. (1 TM)	Seneca
Phipps, J. D. (1 Arch)*	Lake City	Rast, E. M. (2 A)	Cameron
Pickelsimer, H. M. (1 E-EE)*	Piedmont	Rast, J. D. (2 A)	Cameron
Pickens, J. P. (G VAE)**	Madison	Rast, J. M. (1 A)*	Greenville
Pinckney, H. T. (2 A&S)	Pritchardville	Ratterree, H. B. (2 ME)	Rock Hill
Pinson, I. T. (3 TE)	Anderson	Rauton, L. R. (1 A)*	Ridge Spring
Pittman, C. A. (2 TM)*	Perkasie, Pa.	Rawl, H. B. (4 ME)	Spartanburg
Pittman, R. N. (1 E-ME)	Seneca	Rawl, H. N. (3 Poul)	Gilbert
Pitts, P. M. (4 TE)	Clinton	Rawls, J. (3 Ind Phys)	Rock Hill
		Raxter, R. E. (2 ME)*	Brevard, N. C.

Name and Course	Address	Name and Course	Address
Ray, S. F. (1 Ed)°	Townville	Rose, O. E. (2 A-AH)	Sardinia
Reece, C. W. (1 Ch En)°	Greer	Ross, D. H. (1 TM)	Hammonton, N. J.
Reed, B. D. (4 Agron)	North	Rostron, J. P. (G CE)°°	Clemson
Rees, J. H. (4 TM)	Fayetteville, Tenn.	Rothell, J. G. (4 TC)	Saluda
Reese, M. R. (2 EE)	Greer	Rowe, H. B. (2 A-Dairy)	Hartsville
Register, H. I. (4 ME)	Darlington	Rowe, O. R. (3 ME)	Charlotte, N. C.
Reid, J. F. (1 A-AH)	Cheraw	Rowe, R. L. (1 Pre-Med)°	Hartsville
Reid, T. P. (1 Ind Ed)	Walhalla	Rowe, W. W. (1 E-Ag En)°	Summerton
Reid, W. A. (3 ME)	Abbeville	Rowell, E. R. (1 A-Ag Ec)°	Trio
Reid, W. L. (1 E-TE)°	Greenville	Rowland, C. B. (3 TM)	Greenville
Reinhardt, W. P. (2 Ar En), Newton, N. C.		Rowland, L. M. (2 TM)	Walhalla
Rentz, J. C. (3 EE)	Varnville	Royals, L. (3 VAE)	Conway
Rentz, W. D. (2 ME)	Williamston	Ruitenber, C. O. (2 Arch)	Paterson, N. J.
Reutershan, H. W. (2 TM)—	Springfield, N. J.	Rushing, H. J. (1 Ed)	Cheraw
Revell, W. H. (3 CE)	Hartsville	Russell, R. R. (4 Ind Ed)	Columbia
Rhem, L. F. (1 A-Agron)	Georgetown	Rutherford, W. F. (2 Pre-Med)	Newberry
Rhodarmar, B. J. (3 TM)	Canton, N. C.	Ryan, B. B. (1 A-AH)	Washington, D. C.
Rhode, A. L. (1 A-AH)	Cottageville	Ryan, W. B. (3 Arch)	Ridgeland
Rhodes, D. (4 Dairy)	Estill	Rye, C. L. (4 EE)	Columbia
Rhodes, H. O. (2 CE)	Walhalla	Sadler, D. (1 E-EE)°	York
Rhodes, R. H. (4 AH)	Effingham	Saigol, M. R. (2 A&S & TM)—	Pakistan, India
Rhyne, A. D. (1 A-AH)	Gastonia, N. C.	Sailer, P. P. (1 A)°	St. Augustine, Ill.
Rice, B. G. (1 E-ME)°	Fountain Inn	Salley, A. M. (1 E-CE)°	Saluda, N. C.
Rice, B. M. (3 EE)	Hartwell, Ga.	Salley, D. B. (4 ME)	Saluda
Rice, D. E. (2 Pre-For)	Bristol, Va.	Salley, J. R. (G Chem)°°	Clemson
Rice, R. M. (1 E-ME)	Vidalia, Ga.	Salley, S. A. (1 Pre-Med)	Orangeburg
Rice, S. M. (1 E-Ag En)°	Allendale	Salley, W. E. (2 Pre-Vet)	Orangeburg
Rich, T. W. (1 E-ME)°	Conway	Salters, J. A. (2 A-AH)	Trio
Richardson, C. R. (3 AH)	Chapin	Sams, J. G. (2 A&S)	Charleston
Richardson, H. C. (4 TM)	Greenville	Sams, J. H. (2 Ar En)	Clemson
Richardson, J. B. (Unc)°°	Clemson	Sanders, B. M. (2 A-Dairy)	Cordova
Richardson, J. L. (1 E-TE)°	Fair Play	Sanders, E. R. (1 A-AH)°	Frogmore
Richardson, R. R. (3 AH)	Apopka, Fla.	Sanders, J. D. (4 CE)	Blacksburg
Richey, W. B. (1 E-TE)	Ware Shoals	Sanders, K. T. (3 TM)	Anderson
Riebling, L. P. (2 TM)	Spartanburg	Sanders, O. B. (1 Ch En)°	Yonges Island
Riggins, W. R. (4 EE)	Easley	Sanders, T. C. (4 VAE)	Yonges Island
Rikard, J. C. (3 TM)	Rock Hill	Sanders, T. F. (1 E-CE)	Swainsboro, Ga.
Ringer, A. W. (4 EE)	Newberry	Santos, R. A. (1 E-TE)	Charleston
Rion, R. G. (4 Cr En)	Hartsville	Sargent, E. R. (1 E-TE)°	Pee Dee, N. C.
Risher, C. F. (2 A-Ag Ec)	Clio	Sarracino, J. J. (4 Ed)	Anderson
Rivera, A. M. (3 ME)	Guantanamo, Cuba	Satterfield, D. E. (1 Ar En)°	Lyman
Rivers, F. J. (1 A-AH)°	Chesterfield	Satterfield, R. F. (4 TE)	Lyman
Rivers, M. S. (2 Ed)	Cheraw	Saverance, J. R. (1 E-Ag En)	Cheraw
Rivers, R. F. (1 A-AH)	Louisville, Ga.	Sawyer, C. D. (2 TM)	Donalds
Rivers, R. N. (2 VAE)	Hampton	Sawyer, G. W. (1 VAE)°	Monetta
Roach, M. A. (1 E-TE)°	Travelers Rest	Saylors, R. L. (2 TE)	Ninety Six
Roads, G. G. (1 Arch)°	Rocky River, Ohio	Scarborough, R. C. (1 TM)°	Columbia
Roberts, D. E. (4 VAE)	Chester	Scarborough, W. L. (4 EE)	Florence
Roberts, G. C. (4 EE)	Miley	Schachner, J. A. (3 ME)	Charlotte, N. C.
Roberts, J. V. (4 TM), Rutherfordton, N. C.		Schirmer, A. B. (2 A-Hort)	Charleston
Roberts, J. W. (1 E-Ag En)°	Greenville	Schirmer, W. (1 Ch En)	Charleston
Robertson, W. R. (2 CE)	Gray Court	Schoenick, W. A. (1 TM)°	Biloxi, Miss.
Robinett, W. B. (1 Ar En)	Conway	Schrader, E. D. (4 TM)	Spartanburg
Robinette, P. N. (2 TC)	Pacolet	Schroder, W. J. (4 TM)	West Union
Robinson, D. G. (1 Pre-Med)°	Woodford	Schuetler, R. W. (3 TM)—	Elizabethton, Tenn.
Robinson, D. M. (1 A-Hort)°	Lancaster	Schwartz, W. S. (3 ME)	Charleston
Robinson, F. E. (1 E-ME)°	Greenville	Schweikert, N. C. (2 EE)°	Greenville
Robinson, J. H. (3 Ag En)	Oswego	Schwiers, W. (4 AH)	Greenville
Robinson, M. C. (3 TE)	Asheville, N. C.	Scott, E. B. (G EE)°°	Clemson
Rodgers, C. J. (1 A-AH)°	Kingsree	Scott, F. G. (3 AH)	Mt. Pleasant
Rodgers, E. W. (1 E-EE)°	Ridge Spring	Scott, J. H. (3 TE)	Honea Path
Rodgers, G. T. (4 A&S)	Pittsburgh, Pa.	Scott, S. L. (3 TM)	Darlington
Rodgers, J. H. (4 VAE)	Lake City	Scrimgeour, W. T. (1 A&S)—	Silver Springs, Md.
Rogan, T. S. (3 Agron)	Greeleyville	Seaborn, L. A. (3 CE)	Greenville
Rogers, C. L. (4 TM)	Williamston	Seagraves, D. H. (1 TM)°	Athens, Ga.
Rogers, C. T. (3 AH)	Hemingway	Sease, C. F. (1 A-Agron)	Ehrhardt
Rogers, J. C. (1 Pre-Vet)°	Pelzer	Sease, E. C. (4 Ag En)	Columbia
Rogers, J. W. (4 Hort)	Hartsville	Sease, J. (2 A)	Ehrhardt
Rogers, R. L. (2 Pre-Med)	Hartsville	Sedberry, D. D. (3 A&S)	Hartsville
Rogers, S. A. (4 ME)	Mauldin	Sedberry, D. W. (3 Arch)	Hartsville
Rogers, W. B. (2 EE)	Greenville	Seebek, F. K. (1 TM)	Charleston
Rogowski, M. F. (1 A-Ag Ec)—	Irvington, N. J.	Seigler, W. E. (2 Ch En)	Wagner
Rollins, A. L. (1 A-AH)	Nesmith	Sell, J. A. (2 TM)	Bennettsville
Rollins, W. L. (3 TM)	Kershaw	Senn, H. B. (2 A-Hort)	Imman
Roof, J. M. (2 ME)	Lexington	Sessions, J. F. (2 A-Ent)	Myrtle Beach
Roof, L. B. (3 ME)	Columbia	Setzer, H. L. (2 Chem)	Candler, N. C.
Rosamond, T. R. (2 E-CE)	Greenville		

Name and Course	Address	Name and Course	Address
Sewell, R. T. (2 ME).....	Greenville	Smith, C. D. (1 A-Dairy)*.....	Spartanburg
Shane, D. C. (2 ME).....	Florence	Smith, Carroll W. (2 ME).....	Travelers Rest
Shane, R. W. (1 E-TE).....	Florence	Smith, Curran W. (4 ME).....	Clemson
Shannon, E. M. (4 Ind Ed).....	Blackstock	Smith, D. D. (2 Pre-Vet).....	Columbia
Shaw, C. G. (1 TM).....	Greenwood	Smith, E. M. (3 Chem).....	Greenville
Shaw, J. L. (2 TM).....	Winnsboro	Smith, E. T. (2 Pre-Med).....	Branchville
Shaw, W. L. (4 A&S).....	Marion	Smith, F. B. (1 E-EE)*.....	Bloomington, Ga.
Shealy, D. W. (1 E-ME)*.....	Spartanburg	Smith, G. C. (4 CE).....	Washington, D. C.
Shealy, E. L. (4 Arch).....	Columbia	Smith, G. O. (2 Ind Ed).....	Greer
Shealy, J. W. (1 A-AH).....	Leesville	Smith, H. L. (2 TM).....	Greenville
Shealy, L. L. (1 E-EE)*.....	Summerville	Smith, J. Barber (4 ME),	Huntersville, N. C.
Shealy, W. W. (1 Ed)*.....	Columbia	Smith, J. Boyd (1 TM)*.....	Kinards
Shearer, S. D. (1 E-CE)*.....	Anderson	Smith, J. D. (4 Ag En).....	West Union
Shearin, A. M. (4 EE).....	Darlington	Smith, John E. (1 A-AH)*.....	Kinards
Shedd, G. R. (3 TM).....	Winnsboro	Smith, Josiah E. (G Chem)***	Clemson
Shedd, W. B. (2 TM).....	Monticello	Smith, J. L. (4 AH).....	Hawkinsville, Ga.
Shelder, A. L. (3 TM).....	Hendersonville, N. C.	Smith, J. O. (4 TM).....	Donalds
Shelley, F. E. (3 VAE).....	Aynor	Smith, J. T. (1 Pre-Med)*.....	Easley
Shelton, J. W. (2 ME).....	Greenville	Smith, K. E. (1 E-EE).....	Woodruff
Sheppard, J. E. (3 Ar En).....	Anderson	Smith, K. T. (4 ME).....	Greenville
Sherard, S. (3 EE).....	Toccoa, Ga.	Smith, L. C. (1 TM)*.....	Greenwood
Sherer, D. G. (4 Arch).....	Columbia	Smith, M. C. (1 TM).....	Winnsboro
Sherer, J. H. (2 Ag En).....	Columbia	Smith, O. F. (1 E-CE).....	Johns Island
Sherer, R. B. (1 E-EE)*.....	Rock Hill	Smith, P. E. (1 Pre-For)*.....	Georgetown
Shields, J. E. (1 A)*.....	Campobello	Smith, P. F. (1 E-CE)*.....	Florence
Shirley, J. H. (4 EE).....	Gaffney	Smith, R. F. (1 E-EE)*.....	Landrum
Shirley, J. R. (4 TM).....	Greenville	Smith, R. M. (4 Ar En).....	Greenville
Shirley, J. T. (2 VAE).....	Seneca	Smith, R. V. (2 TM).....	Martinez, Ga.
Shockley, B. W. (1 E-ME)*.....	Greenville	Smith, R. W. (3 EE).....	Anderson
Sholar, J. O. (2 TM).....	Columbia	Smith, S. H. (4 ME).....	Allendale
Shook, C. M. (1 TM)*.....	Liberty	Smith, S. N. (1 E-Ag En)*.....	Spartanburg
Shores, R. L. (4 TM).....	Spartanburg	Smith, S. W. (4 TM).....	Greenville
Shouse, E. T. (2 A&S).....	Whitnair	Smith, T. W. (1 Pre-Med).....	Williston
Shown, J. D. (1 VAE)*.....	Fountain City, Tenn.	Smoak, H. G. (1 A-AH)*.....	Pacolet
Shuford, E. G. (1 E-ME)*.....	Lincolnton, N. C.	Snead, J. D. (4 TM).....	Seneca
Shuford, W. E. (3 TM).....	Forest City, N. C.	Snee, J. J. (4 TE).....	New York, N. Y.
Shuler, W. A. (4 Ag En).....	Rembert	Snipes, H. B. (2 CE).....	Anderson
Shuler, W. S. (3 Ag En).....	Sumter	Snoddy, M. F. (2 Arch),	Rockingham, N. C.
Shull, M. D. (3 Dairy).....	Wagener	Snow, D. C. (1 Arch)*.....	Greer
Shumpert, J. D. (1 Chem).....	Pineville, N. C.	Snow, J. J. (2 A-Agron).....	Henry
Sigmon, L. J. (4 TM).....	Newton	Sobocinski, R. J. (3 A&S).....	Pittsburgh, Pa.
Sijon, S. L. (1 E-EE).....	Greenville	Solomons, S. B. (1 Ch En)*.....	Estill
Simmons, R. L. (1 E-Ag En)*.....	Greenville	Soubeyroux, R. S. (4 Ar En).....	Charleston
Simmons, W. H. (3 Arch).....	Long Island, N. Y.	Southern, E. W. (1 TM).....	Union
Simmons, W. K. (3 CE).....	Greenville	Southerlin, R. G. (2 ME).....	Marietta
Simpson, C. B. (2 TC).....	Richburg	Sox, D. K. (1 TM)*.....	West Columbia
Simpson, C. S. (3 A&S).....	Columbia	Spake, R. I. (2 VAE).....	Shelby, N. C.
Simpson, F. H. (1 E-EE)*.....	Anderson	Sparks, G. B. (1 TM).....	Drayton
Simpson, G. J. (3 Ch En).....	Easley	Speares, B. D. (1 TM)*.....	Anderson
Simpson, H. A. (4 A&S).....	Gray Court	Spearman, B. L. (1 TM).....	Ninety Six
Simpson, J. A. (3 Dairy).....	Richburg	Spearman, D. H. (2 Pre-Vet).....	Easley
Simpson, R. R. (4 TM).....	Westminster	Spender, G. W. (4 AH).....	Maplewood, N. J.
Sims, B. C. (3 Pre-Vet).....	Greenville	Spillers, J. C. (3 TE).....	Clinton
Sims, I. S. (2 A&S).....	Orangeburg	Sprott, W. P. (3 CE).....	Lake City
Sims, R. C. (1 E-EE)*.....	Spartanburg	Sproul, J. H. (1 Ed)*.....	Lansdowne, Pa.
Sims, T. P. (2 TE).....	Florence	Sprouse, E. B. (3 TM).....	Travelers Rest
Skelton, T. E. (3 Ent).....	Clemson	Sprouse, S. F. (1 TM)*.....	Gaffney
Skerratt, J. D. (4 TE).....	Cranford, N. J.	Squires, J. T. (4 AH).....	Latta
Skornschek, T. E. (4 CE).....	Tampa, Fla.	Squires, R. L. (1 A-Agron).....	Aynor
Slack, J. D. (1 E-TE)*.....	Sharon	Stackhouse, J. H. (2 TM).....	Florence
Slatten, H. W. (4 Ind Ed).....	Williamston	Stacy, J. D. (2 Arch).....	Gaffney
Slattery, J. G. (3 TM).....	Greenville	Stafford, W. F. (1 Ch En)*.....	Oswego
Sloan, C. M. (4 Ind Ed).....	Inman	Staley, W. L. (1 Ar En)*.....	Bucksport
Sloan, J. A. (1 E-ME).....	Clemson	Stalvey, C. B. (4 Ed).....	Myrtle Beach
Small, A. L. (1 E-CE)*.....	Tabor City, N. C.	Stalvey, R. M. (1 E-EE)*.....	Conway
Small, L. F. (1 E-Ag En).....	Nichols	Stamps, H. D. (2 A&S).....	Piedmont
Small, R. L. (3 TM).....	Concord, N. C.	Stanaland, W. A. (4 Agron).....	Ash, N. C.
Smith, Bernard C. (1 Ed)*.....	Conover, N. C.	Standrod, S. E. (4 ME).....	Georgetown
Smith, Boykin C. (3 CE).....	Greenwood	Stanley, G. F. (3 VAE).....	Loris
Smith, B. D. (1 E-ME)*.....	Gresham	Stanley, J. B. (3 Dairy).....	Conway
Smith, B. M. (2 Ag En).....	Trenton	Stanley, T. E. (4 Arch).....	Hampton
Smith, B. R. (1 E-ME)*.....	Filbert	Stansell, G. T. (3 ME).....	Westminster
Smith, C. A. (3 VAE).....	Mooresville, N. C.	Stansell, H. D. (2 TM).....	Greer
Smith, Carl B. (1 Ar En).....	Brooklyn, N. Y.	Stanton, H. E. (4 TM).....	Cheraw
Smith, Claude B. (3 Agron).....	Florence	Staples, F. D. (1 E-TE)*.....	Abbeville
		Starnes, C. R. (1 TM)*.....	Gastonia, N. C.
		Starnes, G. K. (1 A-Dairy).....	New Brunswick, N. J.
		Staton, J. P. (1 E-CE)*.....	Greenville

<i>Name and Course</i>	<i>Address</i>	<i>Name and Course</i>	<i>Address</i>
Staton, M. (3 CE)	Wadesboro, N. C.	Templeton, H. L. (1 E-ME),	North Augusta
Steadman, M. E. (3 A&S)	Walterboro	Templeton, J. A. (1 A&S)	Greenville
Steadman, T. A. (1 E-CE)	Lake City	Templeton, J. D. (1 TM)	Calhoun Falls
Steele, E. L. (4 Chem)	Harrisonburg, Va.	Tharpe, B. J. (1 Ch En)	Varnville
Stehmeyer, D. W. (2 CE)	Charleston	Thayer, W. B. (4 Ag En)	Spartanburg
Stenstrom, E. F. (G In En)	Clemson	Thelen, H. M. (3 EE)	Greenwood
Stephens, L. M. (4 Ed)	Canton, N. C.	Thomas, C. A. (4 Ent)	Longs
Stephens, S. F. (1 A-AH)	Dillon	Thomas, C. T. (3 CE)	Washington, D. C.
Stephenson, J. W. (3 AH)	Winnsboro	Thomas, H. S. (2 TE)	Greenville
Stevens, F. W. (1 Ar En)	Charleston	Thomas, J. H. (1 Ind Ed)	West Columbia
Stevens, H. E. (4 VAE)	Conway	Thomas, J. K. (3 Ent)	Chadbourne, N. C.
Stevenson, E. A. (2 Ag En)	Ulmers	Thomas, J. Wallace (1 A)	Lake City
Stevenson, R. M. (4 AH)	Charlotte, N. C.	Thomas, J. Watson (1 E-EE)	Fairfax
Stewart, R. S. (3 VAE)	Fountain Inn	Thompson, F. M. (2 A)	Augusta, Ga.
Stewart, W. F. (4 Dairy)	Fountain Inn	Thompson, H. E. (1 TM)	Gray Court
Still, W. C. (3 Ed)	Greenwood	Thompson, J. H. (1 TM)	Kline
Stilley, W. A. (4 Ind Ed)	Conway	Thompson, J. V. (4 Ed)	Saxonburg, Pa.
Stockman, B. R. (4 TM)	Prosperity	Thompson, L. B. (1 Ch En)	De Land, Fla.
Stogner, J. R. (1 Pre-Med)	Hartsville	Thompson, W. C. (4 TM)	Greenwood
Stokes, J. P. (1 A-AH)	Greer	Thompson, W. W. (3 TE)	Pauline
Stokes, R. R. (3 ME)	Greenville	Thornhill, E. J. (2 CE)	Charleston
Stokes, W. L. (1 A)	Sedalia	Thornton, G. E. (2 EE)	Anderson
Stone, R. (1 VAE)	Hyman	Thornton, J. R. (1 TC)	Greenville
Stone, W. O. (1 TC)	Newberry	Thrasher, R. C. (2 Pre-Vet)	Anderson
Storey, P. E. (4 EE)	Greenville	Thruston, M. G. (4 TM)	Greenville
Stoudemire, H. B. (3 Agron)	Elloree	Tice, J. D. (1 TM)	Anderson
Strait, C. A. (1 E-ME)	Rock Hill	Tice, N. R. (4 TM)	Brooklyn, N. Y.
Strait, C. D. (3 CE)	Greenwood	Tiller, W. F. (1 A-AH)	Mayesville
Strickland, R. M. (1 A-AH)	Starr	Timmerman, W. B. (2 ME)	Clearwater
Strong, H. H. (3 EE)	Sumter	Tindal, J. H. (1 TM)	Greenville
Strother, E. D. (3 AH)	Plum Branch	Tinsley, J. F. N. (2 TE)	Easley
Stubenrauch, A. J. (1 E-CE)	Columbia	Tinsley, J. K. (1 TM)	Forest City, N. C.
Stuck, C. G. (1 A)	Pomaria	Tinsley, R. W. (2 A-AH)	Laurens
Stuckey, E. B. (1 A-AH)	Bishopville	Todd, E. S. (2 Ed)	Charlotte, N. C.
Suber, J. A. (1 E-TE)	Spartanburg	Tolbert, J. R. (3 Dairy)	Anderson
Suber, R. D. (2 Ag En)	Orangeburg	Tollison, L. C. (3 ME)	Union
Suggs, J. H. (2 A-AH)	Loris	Tolson, B. A. (1 E-TE)	Timmons ville
Suggs, T. R. (1 A&S)	Loris	Tommie, W. J. (3 A&S)	Mountville
Sullivan, D. G. (1 E-CE)	Rock Hill	Toomey, W. G. (4 Agron)	Mount Holly, N. C.
Sullivan, R. L. (1 E-EE)	Cristobal, Canal Zone		
Sumner, W. T. (2 Arch)	Spartanburg	Torrence, R. M. (1 E-ME)	Rock Hill
Sundberg, E. E. (4 TM)	Reading, Pa.	Towell, R. D. (1 Chem)	Spartanburg
Sutherland, F. G. (3 TM)	Spartanburg	Townsend, D. K. (1 Ed)	Bennettsville
Sutherland, W. F. (1 Pre-Vet)	Ridgewood, N. J.	Townsend, J. C. (4 Ag En)	Orlando, Fla.
Suttle, R. B. (1 E-EE)	Marion, N. C.	Townsend, W. B. (1 Ch En)	Lake View
Swearingen, G. T. (1 A-AH)	Trenton	Trapp, L. W. (3 TM)	Darlington
Sweeney, A. E. (1 TM)	Seneca	Trask, L. P. (3 Ag En)	Burton
Swett, A. B. (2 TC)	Greenville	Tribble, J. C. (3 ME)	Greenwood
Swett, J. A. (4 Poul)	Dunbarton	Tribble, R. M. (4 ME)	Greenwood
Swittenberg, R. L. (4 A&S)	Anderson	Trihey, P. C. (1 A-Ag Ec)	Columbia
Swords, P. E. (1 Pre-Med)	Liberty	Trimmier, L. G. (2 A-AH)	Bedford, Pa.
Swygert, D. A. (1 VAE)	Blythewood	Tripp, C. B. (1 E-ME)	Greenville
Swygert, J. K. (1 E-EE)	Ballentine	Tripp, P. D. (3 CE)	Greenville
Sykes, J. H. (1 E-TE)	Morristown, Tenn.	Tripp, W. O. (1 TM)	Greenville
Taber, J. W. (1 E-ME)	Sandy Springs	Trively, T. H. (1 A-Dairy)	Clemson
Tait, R. K. (3 ME)	Brunswick, Ga.	Trout, J. R. (1 VAE)	Clemson
Talbert, J. C. (1 Ar En)	Concord, N. C.	Trstensky, W. R. (2 Ar En),	Carteret, N. J.
Tankersley, L. D. (1 Arch)	Greenville	Truelove, J. E. (1 TM)	Sanford, N. C.
Tanner, R. C. (1 E-EE)	Kingstree	Truluck, J. P. (1 Pre-Med)	Lake City
Tant, L. R. (1 TM)	Clemson	Turnbleston, W. E. (2 A-AH),	Summerville
Tarleton, B. L. (1 E-TE)	Rock Hill	Turbeville, I. C. (1 E-TE)	Camden
Tate, F. W. (2 TC)	Greenville	Turner, C. R. (2 VAE)	Pelzer
Tate, G. T. (1 E-EE)	Greenville	Turner, D. L. R. (1 TM)	Spartanburg
Tate, J. S. (1 A-AH)	Forest City, N. C.	Turner, G. C. (4 EE)	Marion
Tate, R. A. (1 E-CE)	Spartanburg	Turner, G. E. (1 Ch En)	Lake Wales, Fla.
Tatham, J. R. (1 E-CE)	Greenville	Turner, H. B. (2 Ag En)	Mayesville
Taylor, C. B. (4 TM)	Lancaster	Turner, J. M. (2 A-AH)	Winnsboro
Taylor, C. E. (3 ME)	Kershaw	Turner, L. J. (1 Pre-Med)	North Augusta
Taylor, C. W. (1 E-EE)	Savannah, Ga.	Turner, M. I. (2 EE)	Gaffney
Taylor, D. E. (3 Cr En)	Lexington	Turner, R. P. (1 Pre-Vet)	Woodruff
Taylor, D. T. (1 E-TE)	Florence	Turner, T. A. (1 E-TE)	Blacksburg
Taylor, E. R. (3 Hort)	Greer	Turner, W. K. (1 Ar En)	Columbia
Taylor, G. E. (4 AH)	Newnan, Ga.	Turpin, B. A. (3 EE)	Piedmont
Taylor, G. W. (3 TM)	Greenville	Tuten, C. R. (4 AH)	Ridgeland
Taylor, K. Z. (3 Ind Ed)	Liberty	Tuten, J. L. (1 E-CE)	Varnville
Taylor, W. C. (3 AH)	Greenville	Tuten, J. M. (3 EE & Ind Phys),	Greenville
Temples, P. M. (1 A&S)	Spartanburg	Tuten, R. L. (2 A-AH)	Ridgeland
		Twiddy, D. A. (1 E-CE)	Clewiston, Fla.

Name and Course	Address	Name and Course	Address
Tyler, H. K. (4 ME)	Hampton, Va.	Watt, F. L. (4 TM)	Pelzer
Tyson, S. D. (4 Ag En)	Myrtle Beach	Watt, M. F. (3 TM)	Pelzer
Ulmer, G. H. (1 VAE)	Elloree	Watts, J. H. (1 E-CE)	Mountview
Ulmer, J. C. (1 A-AH)	Elloree	Watts, W. S. (1 Arch)	Sumter
Underwood, J. R. (1 E-Ag En)	Walhalla	Waycaster, J. N. (1 E-TE)	Gastonia, N. C.
Unthank, W. R. (1 E-Ag En)	Greenville	Weaver, G. E. (4 Hort)	Darlington
Upright, C. M. (4 ME)	Mooreville, N. C.	Webb, B. K. (1 E-Ag En)	Cross Anchor
Vaigneur, B. C. (1 A-AH)	Ridgeland	Webb, J. E. (4 ME)	Meridianville, Ala.
Vaigneur, H. O. (4 Ag En)	Ridgeland	Webb, L. W. (3 AH)	Ridgeland
Valentine, B. J. (1 E-ME)	Augusta, Ga.	Webb, N. J. (3 AH)	Newport News, Va.
VanderSchans, P. A. (4 Ar En)	Glen Ridge, N. J.	Webb, W. F. (2 CE)	Brunson
Vandiver, D. P. (1 TC)	Abbeville	Webster, C. (1 A-Ag Ec)	Blenheim
Varn, H. L. (3 Ch En)	Columbia	Weed, R. O. (1 A-Hort)	Irmo
Varn, H. P. (3 Ch En)	Columbia	Weedon, C. H. (4 Chem)	Rutherfordton, N. C.
Varn, R. B. (2 ME)	Charleston	Weekley, L. C. (3 AH)	Varnville
Vassy, T. M. (3 TM)	Gaffney	Weekley, R. J. (2 A-AH)	Ulmers
Vaughan, D. M. (1 TM)	Kinards	Weeks, J. J. (4 ME)	Charlotte, N. C.
Vaught, H. R. (2 Pre-For)	Nixonville	Weghorn, C. A. (4 CE)	Ridgewood, N. Y.
Vause, R. J. (3 Ag En)	Salters Depot	Weill, S. B. (4 CE)	Clio
Veazey, W. H. (4 ME)	Greenville	Welborn, A. W. (1 Pre-For)	Waynesboro, Ga.
Verdin, J. W. (1 A-Dairy)	Greenville	Welch, M. O. (1 A)	Ehrhardt
Vickery, K. N. (G Ed)	Clemson	Weldon, R. D. (4 TM)	Charleston
Vildibill, H. D. (2 Pre-Vet)	Columbia	Weldon, W. W. (1 E-Ag En)	Bennettsville
Vinson, S. C. (G Ed)	Greenville	Wells, A. H. (3 Cr En)	Columbia
Vite, R. G. (3 Ag En)	Towanda, Pa.	Wells, H. E. (1 TM)	Bristol, Tenn.
Vogel, H. E. (Unc)	Greenville	Wells, J. D. (2 Arch)	Columbia
Voyles, W. J. (1 TM)	Anderson	Welsh, F. M. (PG ME & TE)	Abbeville
Vuksta, C. (3 ME)	Hellertown, Pa.	Werner, R. L. (1 E-EE)	Rock Hill
Wactor, R. S. (1 A)	Orangeburg	Wertz, J. D. (3 A&S)	Saluda
Wade, D. A. (3 Ind Ed)	Spartanburg	Wessinger, E. (3 TE)	Newberry
Wade, J. D. (4 Ed)	Lenoir City, Tenn.	West, C. E. (4 TM)	Spartanburg
Wagner, C. P. (2 CE)	Washington, Ohio	West, F. B. (1 VAE)	Conway
Waldrop, J. R. (3 TE)	Greenville	West, H. E. (2 EE)	Cedartown, Ga.
Waldrup, J. W. (1 TE)	Timmonsville	West, M. L. (1 A-AH)	Holly Hill
Walker, J. (1 E-TE)	Columbus, Ga.	West, R. E. (1 E-Ag En)	Swainsboro, Ga.
Walker, J. E. (2 Pre-Med)	Charleston	West, R. L. (1 A-AH)	Bowman
Walker, J. J. (1 TM)	Greenville	West, W. D. (1 Arch)	Greenville
Walker, R. F. (1 Arch)	Newport News, Va.	West, W. M. (1 E-ME)	Mt. Pleasant
Walker, W. H. (4 TM)	Laurens	Westbrook, B. G. (1 Pre-Vet)	Campobello
Wall, A. D. (1 E-Ag En)	Charleston	Westbury, S. A. (2 CE)	Charleston
Wall, H. L. (3 TM)	Wadesboro, N. C.	Weston, T. I. (4 ME)	Columbia
Wall, J. W. (1 A-AH)	Ridgeland	Whaley, J. M. (1 E-CE)	Aynor
Wallace, F. D. (2 CE)	Norfolk, Va.	Whately, V. (3 Ch En)	Allendale
Wallace, L. A. (1 E-Ag En)	Cades	Whetstone, W. V. (3 TM)	Denmark
Wallace, W. W. (2 TM)	Seneca	Whitaker, C. A. (3 ME)	Liberty
Walpole, B. L. (1 A-Agron)	John's Island	White, C. E. (2 Chem)	Sumter
Walsh, A. A. (3 EE), West Englewood, N. J.		White, C. H. (1 TM)	Greenville
Walters, C. J. (1 VAE)	St. George	White, D. N. (2 TE)	Clover
Walters, C. L. (1 TM)	Lancaster	White, F. D. (2 A-AH)	Inman
Walters, E. H. (1 E-Ag En)	Lancaster	White, H. M. (2 Chem)	Camden
Waltz, M. R. (4 CE)	Barnwell	White, J. A. (1 Pre-Med)	Great Falls
Wannamaker, R. L. (4 ME)	Columbia	White, L. A. (1 E-CE)	Camden
Ward, A. W. (1 E-ME)	Anniston, Ala.	White, L. I. (3 TM)	Florence
Ward, J. A. (2 TM)	Jackson, Tenn.	White, M. W. (1 A-Hort)	Anderson
Ward, P. F. (1 TM)	Odessa, N. Y.	White, P. M. (1 E-EE)	Greenwood
Ward, R. D. (4 Ag Ec)	Chester	White, S. M. (1 Pre-Med)	Clemson
Ware, G. L. (1 E-Ag En)	Due West	White, W. E. (3 AH)	Fort Mill
Warman, L. L. (3 Ag Ec)	Danville, Ind.	Whitehead, B. J. (2 TM)	Chester
Warren, J. F. (4 CE)	Charlotte, N. C.	Whitener, R. P. (2 TM)	Union
Warriner, L. R. (1 E-CE)	Emory, Va.	Whitesell, N. G. (1 A)	Largo, Fla.
Wase, M. J. (2 EE)	Hartsville	Whiteside, P. W. (2 TE)	Dearmannville, Ala.
Washington, E. B. (2 ME)	Clemson	Whitesides, H. D. (2 ME)	Chester
Washington, E. I. (3 TM)	Pelzer	Whitfield, N. C. (4 TM)	Townville
Wasim, M. (3 TM)	Fall River, Mass.	Whitlaw, G. L. (3 AH)	North Augusta
Waters, J. W. W. (2 A&S)	Blackstone, Va.	Whitlaw, J. T. (1 Pre-Med)	Clemson
Waters, P. B. (2 A&S)	Saluda	Whitlock, R. E. (1 TM)	Lake City
Watford, B. L. (1 E-TE)	Lamar	Whitmire, F. L. (4 Poul)	Seneca
Watkins, C. B. (4 CE)	Augusta, Ga.	Whitmire, J. D. (3 TM)	Johnson City, Tenn.
Watkins, C. E. (2 A-AH)	Westminster	Whitten, R. A. (1 E-TE)	Macon, Ga.
Watkins, G. L. (4 VAE)	Hartsville	Whittle, W. T. (1 E-ME)	Hartsville
Watkins, W. Y. (3 Ed)	Ware Shoals	Wicker, A. R. (4 ME)	Newberry
Watson, A. L. (1 TC)	Spartanburg	Wiggins, B. S. (1 A-Dairy)	Hopkins
Watson, R. B. (2 A-AH)	Blenheim	Wigington, J. R. (2 A-AH)	Easley
Watson, R. D. (3 TM)	Mardela, Md.	Wigington, W. F. (1 A-AH)	Piedmont
Watson, S. J. (2 TM)	Florence		
Watson, T. A. (1 E-ME)	Easley		

Name and Course	Address	Name and Course	Address
Wilbanks, J. T. (3 TM)	Clemson	Witt, L. H. (3 Ag En)	Swansea
Wilcox, A. B. (1 A)°	Dunedin, Fla.	Wofford, B. E. (2 TM)	Schoolfield, Va.
Wilds, G. J. (3 A&S)	Hartsville	Wolfe, J. D. (3 EE)	Rock Hill
Wiley, H. S. (4 ME)	McCormick	Wolff, P. W. (1 E-TE)°	Anderson
Wilkinson, J. T. (1 TM)°	Anderson	Wood, A. E. (G Phys)°°	Clemson
Wilkes, G. C. (1 E-ME)°	Clinton	Wood, F. K. (3 TM)	Alexandria, Va.
Wilkins, D. F. (1 TM)	Chesnee	Wood, J. C. (3 ME)	Pendleton
Wilkins, H. O. (4 ME)	Germantown, Tenn.	Wood, W. K. (3 Pre-Med)	Florence
Wilkinson, H. J. (1 TC)°	Clemson	Woodard, S. L. (2 CE)°	Winston-Salem, N. C.
Willey, E. P. (1 A&S)	Clemson	Woodfin, W. J. H. (1 A)°	Inman
Williams, B. G. (1 E-EE)°	Rock Hill	Woods, G. B. (1 E-ME)	Rock Hill
Williams, C. D. (4 TM)	Lancaster	Woods, S. G. (4 AH)	Greenville
Williams, C. F. (3 Ind Ed)	Landrum	Woodward, N. E. (4 Ag En)	Aiken
Williams, H. R. (2 TE)	Pendleton	Wooten, E. T. (1 A)	Greer
Williams, J. K. (4 TE)	McBee	Workman, A. P. (2 VAE)	Kinards
Williams, M. A. (1 Arch)°	Swansea	Workman, O. G. (3 CE)	Rock Hill
Williams, M. S. (4 Ag En)	Moore	Worley, F. C. (1 E-Ag En)°	Nichols
Williams, R. L. (1 E-EE)	Bucksport	Worley, J. L. (2 Ag En)	Windsor
Williams, S. R. (1 A&S)°	Clemson	Worth, W. T. (3 TM)	Greenville
Williams, V. M. (3 TM)	Woodruff	Worthy, W. E. (1 TM)°	Chester
Williamson, J. W. (1 VAE)	Darlington	Wright, B. C. (4 A&S)	Belton
Williamson, W. T. (3 Dairy)	Naval Base	Wright, C. D. (1 Arch)	Eglin Field, Fla.
Willingham, R. H. (2 Chem)	Newberry	Wright, M. B. (4 Agron)	Fair Bluff, N. C.
Willis, J. K. (2 A)	Clio	Wrightenberry, E. G. (3 AH)°	Burlington, N. C.
Wilson, A. T. (2 A-Hort)	Batesburg	Wrinn, J. J. (PG Agron)	Westminster
Wilson, B. E. (2 TE)	Spartanburg	Wyatt, C. N. (1 TM)	Greenville
Wilson, B. L. (1 Ind Phys)	Anderson	Wyatt, R. L. (1 E-EE)°	Florence
Wilson, C. A. (3 AH)	Bamberg	Wylie, J. T. (2 TM)	Blacksburg
Wilson, D. B. (1 E-ME)°	Spartanburg	Wylie, R. E. (1 E-CE)°	Chester
Wilson, D. L. (1 VAE)°	Cades	Wylie, W. C. (4 TC)	Rock Hill
Wilson, Elliott L. (1 E-TE)°	Sumter	Wynn, J. W. (2 Pre-For)	Varnville
Wilson, Elmer L. (4 TM)	Springfield	Yarboro, J. A. (1 E-CE)°	Douglas, Ga.
Wilson, H. W. (4 TM)	Greenville	Yarborough, D. A. (1 E-ME)°	Clinton
Wilson, J. (1 A-AH)	Shelby, N. C.	Yarborough, G. L. (1 Cr En)°	Lake Junaluska, N. C.
Wilson, J. K. (3 Ag Ec)	Cades	Yarbrough, J. R.	Salisbury, N. C.
Wilson, R. H. (1 Pre-Med)°	Newport, Tenn.	Yelton, T. L. (3 TM)	Forest City, N. C.
Wilson, R. L. (3 AH)	Wampee	York, C. O. (4 Ar En)	Charlotte, N. C.
Wilson, T. C. (4 ME)	Greenwood	Young, F. S. (1 Pre-Med)	Central
Winchester, D. B. (2 ME)	Pickens	Young, R. W. (1 E-CE)°	Rock Hill
Winchester, K. P. (1 Ind Ed)	Six Mile	Youngblood, G. T. (3 Chem)	Savannah, Ga.
Winebar, H. V. (1 A-Agron)°	Sullivans Island	Zatcoff, A. (4 TM)	Philadelphia, Pa.
Wise, G. S. (2 TE)	Pittsburg, Calif.	Zimmerman, C. G. (1 E-TE)	Florence
Wise, P. N. (3 ME)	Vaughn	Zipperer, E. H. (2 A-AH)	Savannah, Ga.
Wise, W. B. (1 E-ME)°	Batesburg		
Withers, G. W. (3 TM)	Spencer, N. C.		
Witherspoon, C. S. (1 TM)	Columbia		

<i>Name and Course</i>	<i>Address</i>	<i>Name and Course</i>	<i>Address</i>
Tarrant, W. B. (4 ME).....	Columbia	Willard, R. O. (1 TM)*.....	Asheboro, N. C.
Thompson, H. Z. (1 Ed).....	Hendersonville, N. C.	Willoughby, R. R. (1 E-EE)*.....	Washington, D. C.
Thorne, T. F. (2 Ind Ed).....	Dundalk, Md.	Wingard, R. D. (3 AH).....	Lexington
Travis, D. A. (1 Ind Ed).....	Elkin, N. C.	Witt, D. H. (G Math)†.....	Clemson
Vaughan, J. H. (2 VAE).....	Owings	Wood, F. M. (1 TM)*.....	Westminster
Walters, J. F. (2 CE).....	Mullins	Woodard, O. W. (1 E-CE)*.....	West Palm Beach, Fla.
Warnhoff, E. H. (Unc)†.....	Clemson	Wyndham, J. N. (1 A-AH)*.....	Moncks Corner
White, J. C. (3 Ind Ed).....	Inman	Young, S. P. (Unc)†.....	Clemson
Whitfield, L. L. (2 TM).....	Anderson	Zolla, R. J. (1 E)*.....	Wyckoff, N. J.
Wickham, F. L. (3 TC).....	Charlottesville, Va.		
Wilkins, R. I. (PG Arch)†.....	Clemson		

† Students enrolled for the second semester who were not enrolled for the first semester. In this list, students are classified according to their credits at the beginning of the second semester; new students admitted at the beginning of the second semester are indicated by an asterisk (*); part-time students by a dagger (†).

NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM 1951-1952

Classification	Agriculture	Agric. Engr.	Pre-Forestry	Pre-Veterinary	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Education	Industrial Ed.	Voc. Agric. Ed.	Arch. Engr.	Architecture	Ceramic Engr.	Chemical Engr.	Civil Engr.	Electrical Engr.	Mech. Engr.	Textile Chemistry	Textile Engr.	Textile Mfg.	Postgraduate	Graduate	Unclassified	Enroll. by Classes
Senior	89	23	...	...	20	2	4	7	15	16	23	15	14	4	5	27	30	54	6	22	115	...	...	...	491
Junior	111	26	...	2	27	3	12	7	14	13	28	4	25	5	10	47	44	55	9	26	105	...	...	...	573
Sophomore	133	31	4	12	31	2	18	8	17	13	46	17	22	5	7	25	39	56	9	37	78	...	...	...	610
Freshman	214	54	10	15	44	3	41	8	33	14	46	24	33	7	28	80	85	114	19	80	195	...	...	...	1,147
Postgraduate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	...	8
Graduate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	72	...	...	72
Unclassified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25	...	25
Total	547	134	14	29	122	10	75	30	79	56	143	60	94	21	50	179	198	279	43	165	493	8	72	25	2,926

ENROLLMENT BY COUNTIES AND STATES, 1951-1952

<i>County</i>	<i>Total</i>	<i>State or Country</i>	<i>Total</i>
Abbeville	26	Alabama	12
Aiken	56	Arizona	1
Allendale	15	California	3
Anderson	158	Canada	2
Bamberg	19	Canal Zone	1
Barnwell	13	Colombia	1
Beaufort	11	Connecticut	2
Berkeley	6	Cuba	2
Calhoun	12	Delaware	2
Charleston	103	District of Columbia	12
Cherokee	29	Estonia	1
Chester	40	Florida	39
Chesterfield	29	Georgia	128
Clarendon	16	Guatemala	1
Colleton	19	Illinois	5
Darlington	59	Indiana	2
Dillon	18	Kansas	1
Dorchester	22	Kentucky	4
Edgefield	10	Maine	2
Fairfield	20	Maryland	10
Florence	91	Massachusetts	4
Georgetown	17	Michigan	2
Greenville	254	Minnesota	1
Greenwood	63	Mississippi	1
Hampton	26	Missouri	1
Horry	58	New Jersey	51
Jasper	23	New York	53
Kershaw	20	North Carolina	187
Lancaster	34	Ohio	6
Laurens	46	Pakistan	2
Lee	10	Pennsylvania	35
Lexington	51	Rhode Island	1
Marion	34	South Carolina	2,291
Marlboro	22	Tennessee	32
McCormick	15	Virginia	26
Newberry	36	West Virginia	2
Oconee	97		
Orangeburg	62	Grand Total	2,926
Pickens	124		
Richland	109		
Saluda	15		
Spartanburg	185		
Sumter	44		
Union	38		
Williamsburg	44		
York	92		
South Carolina Total	2,291		

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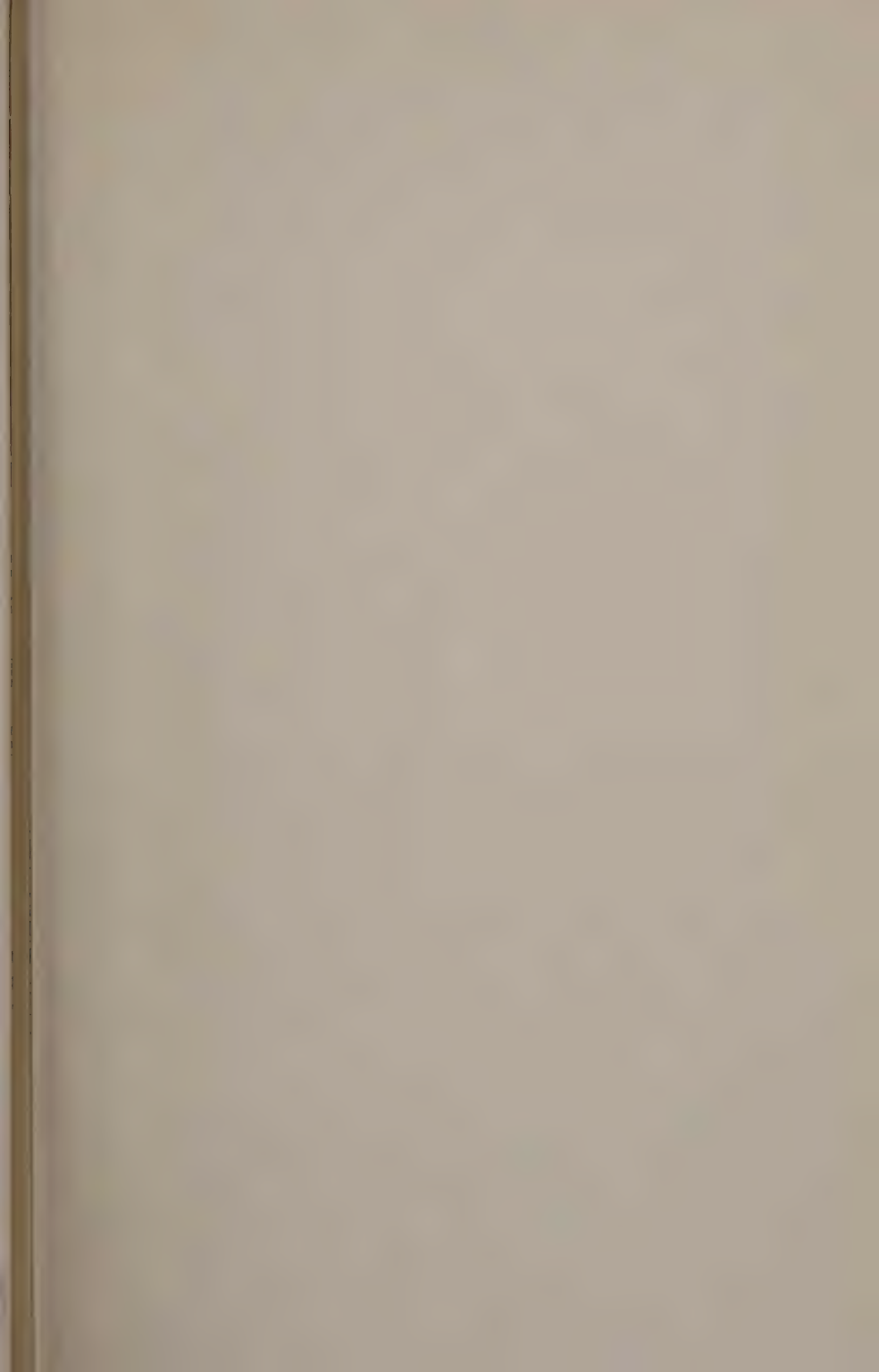
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